

FIG. 1

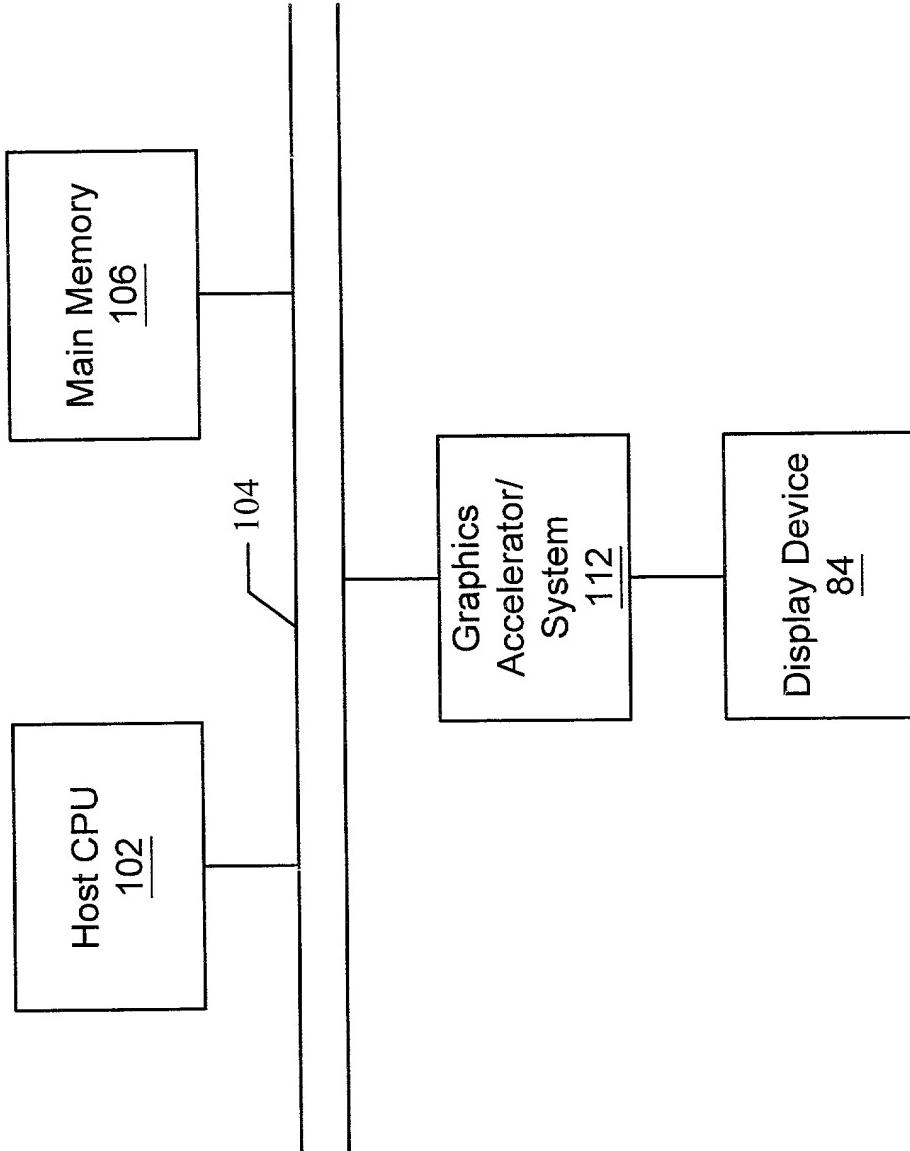


FIG. 2

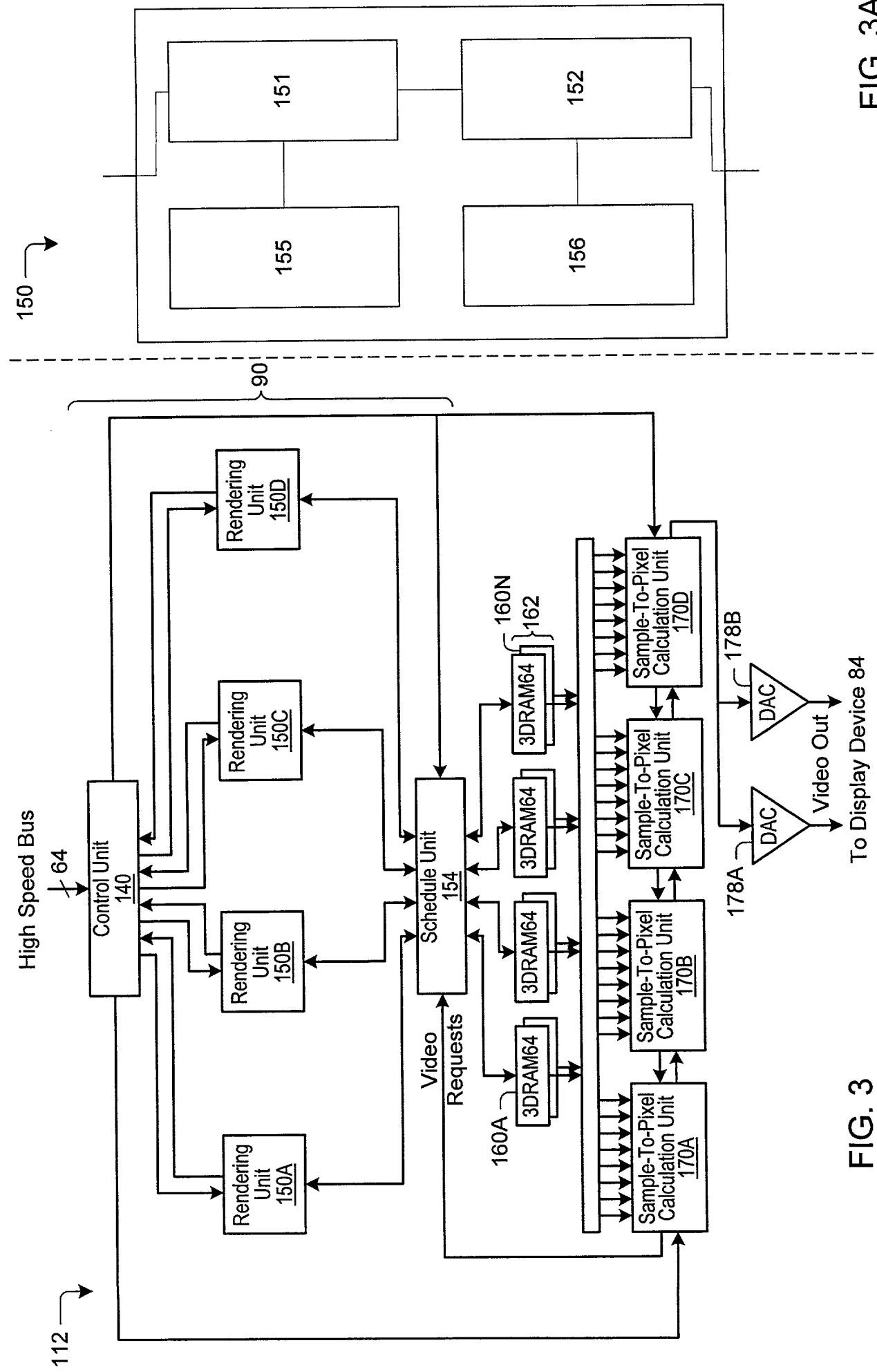


FIG. 3

FIG. 3A

PIXEL	PIXEL	PIXEL
●	●	●
●	●	●
●	●	●

FIG. 4

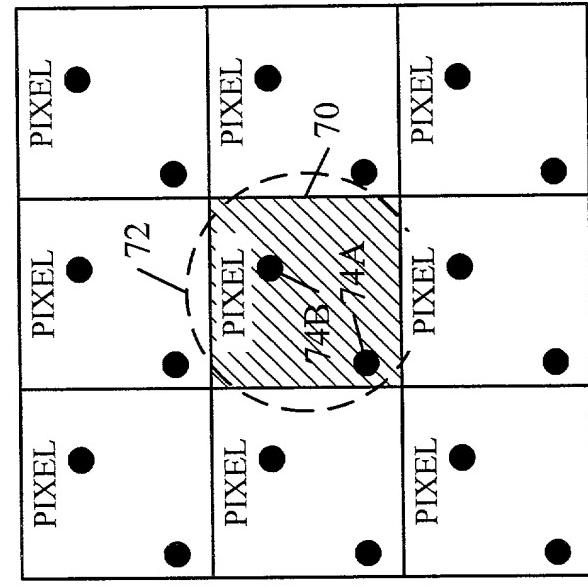


FIG. 5A

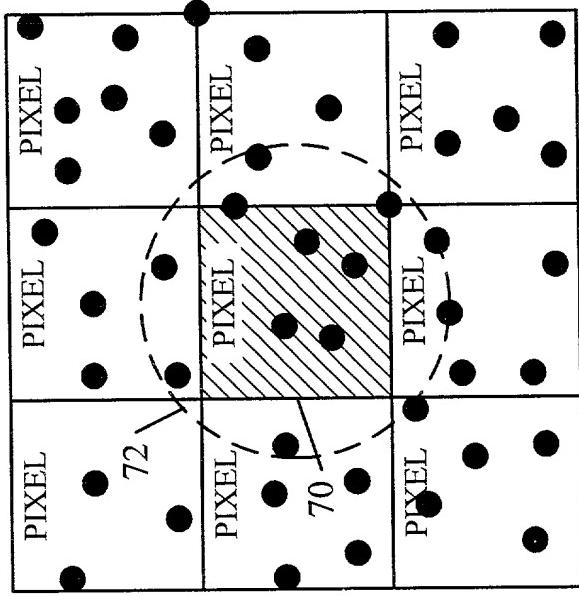


FIG. 5B

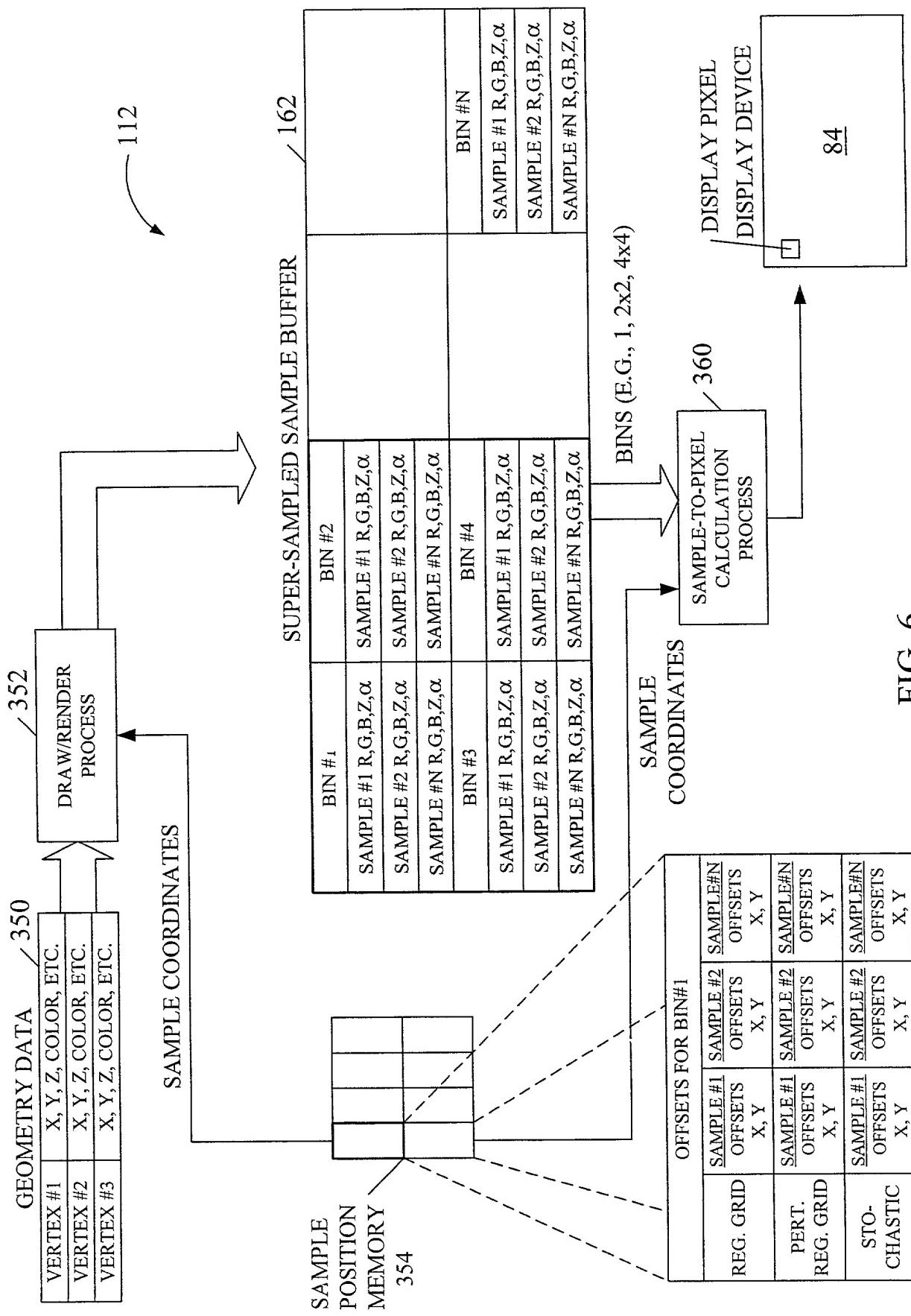


FIG. 6

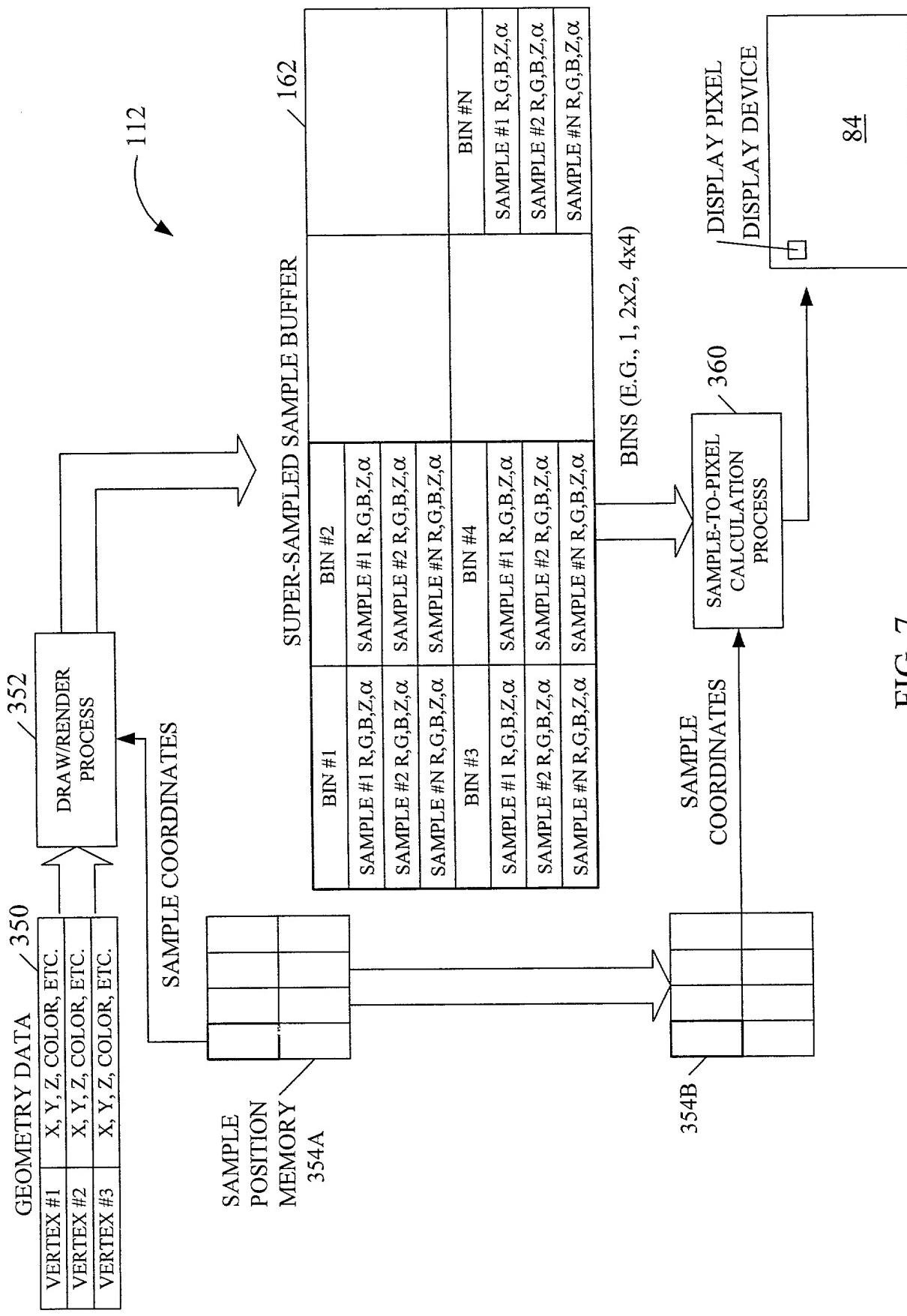
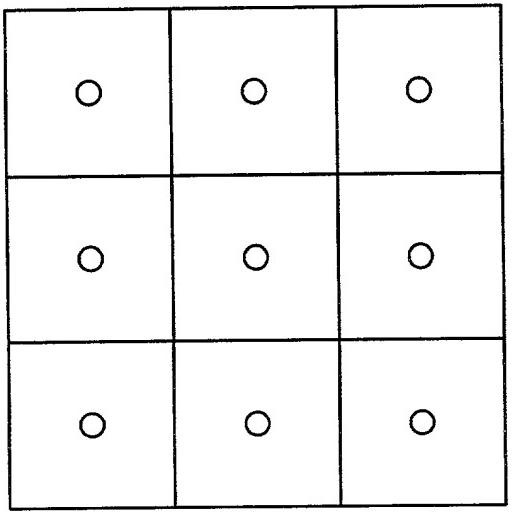
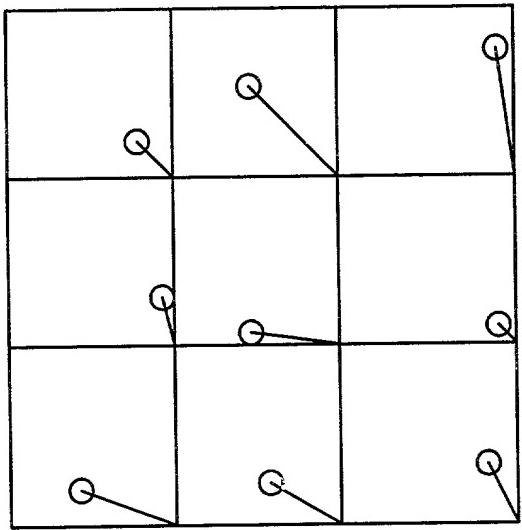


FIG. 7



REGULAR GRID 190



PERTURBED
REGULAR GRID
192

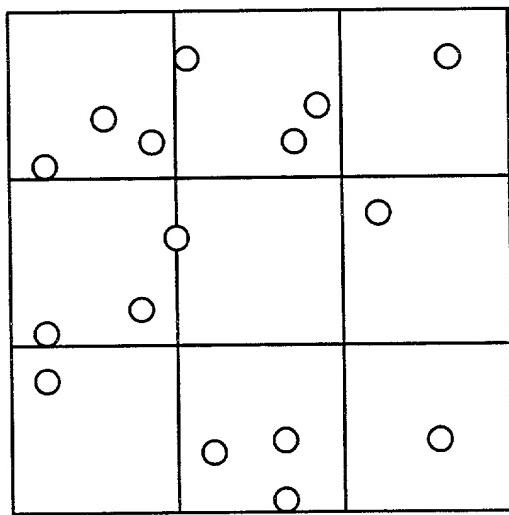


FIG. 8

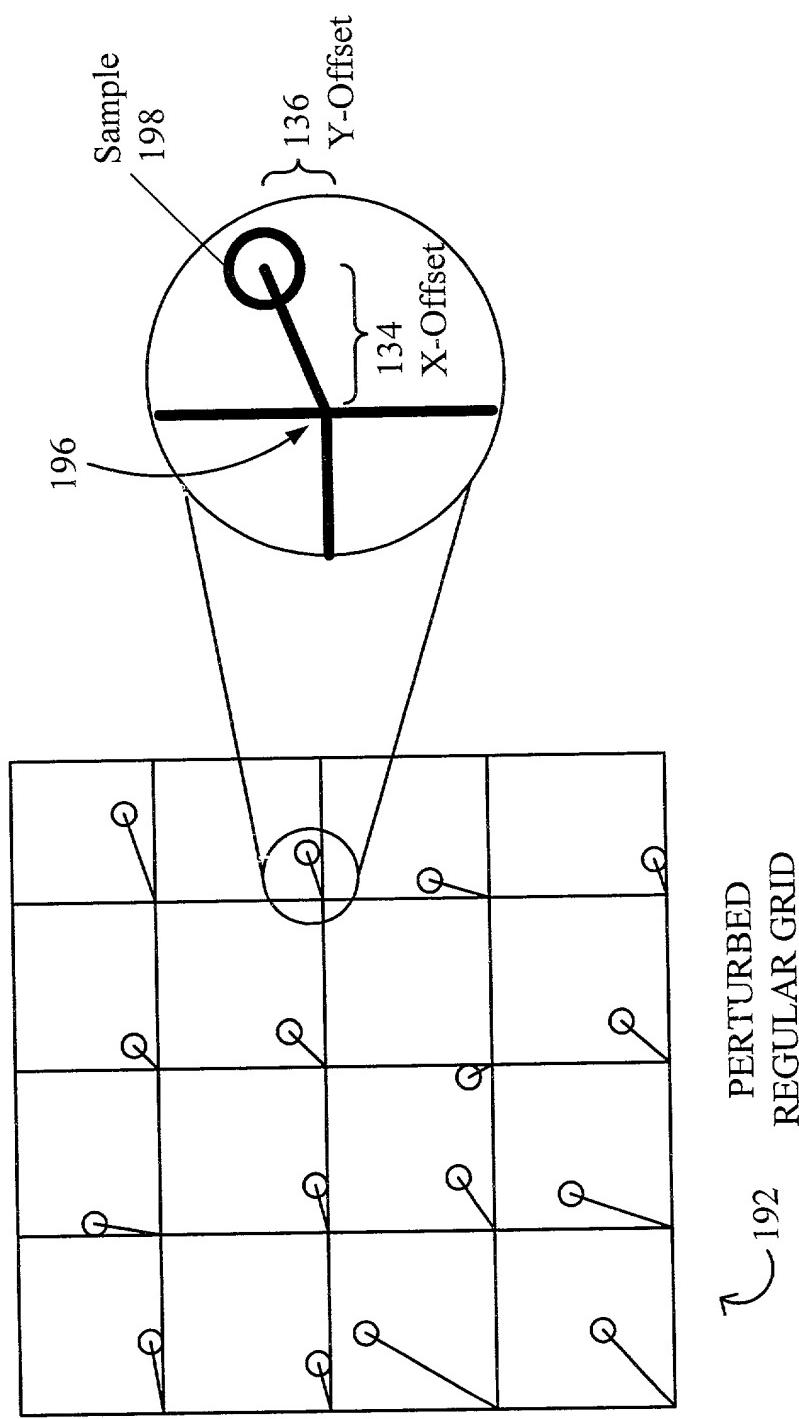


FIG. 9

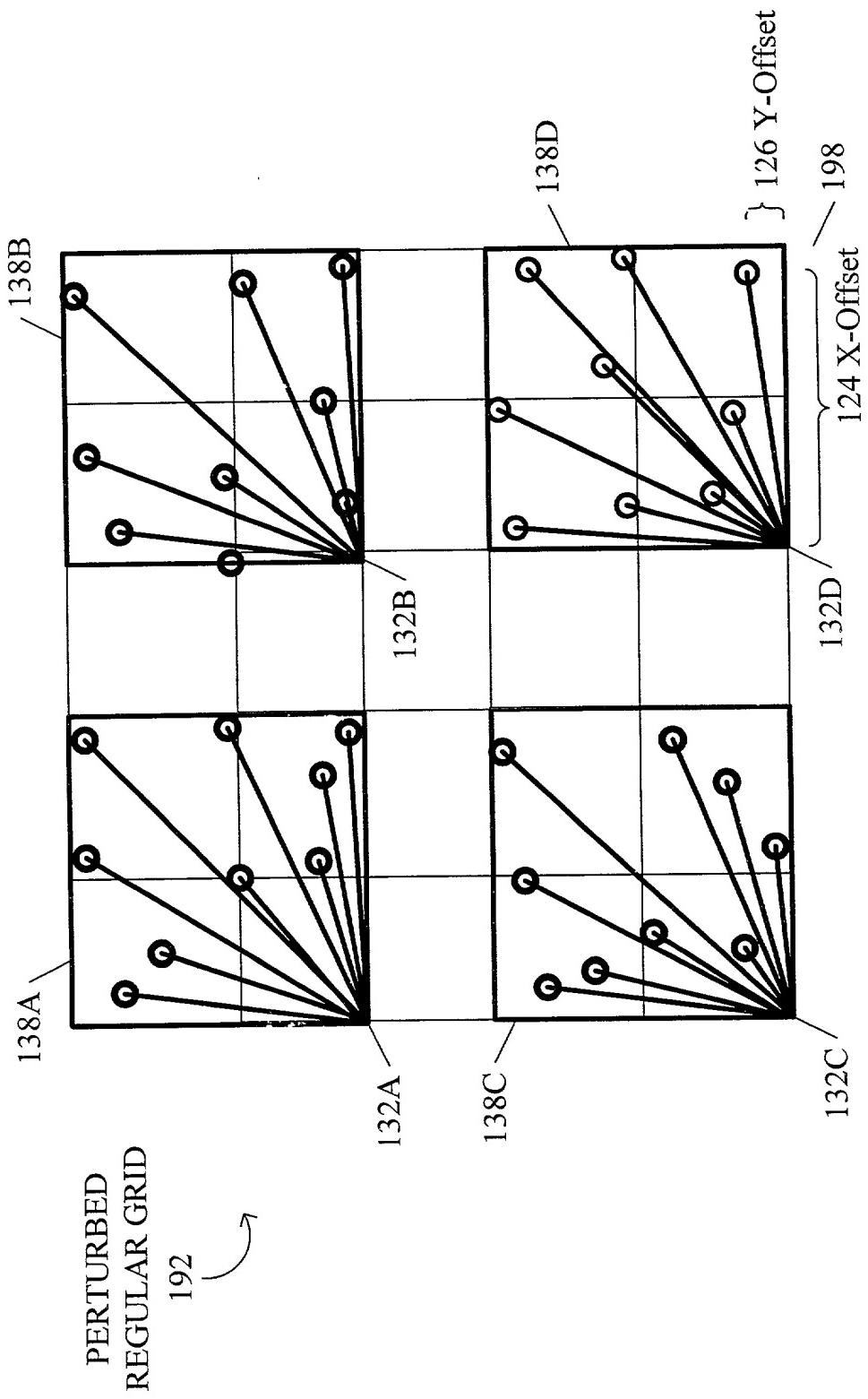


FIG. 10

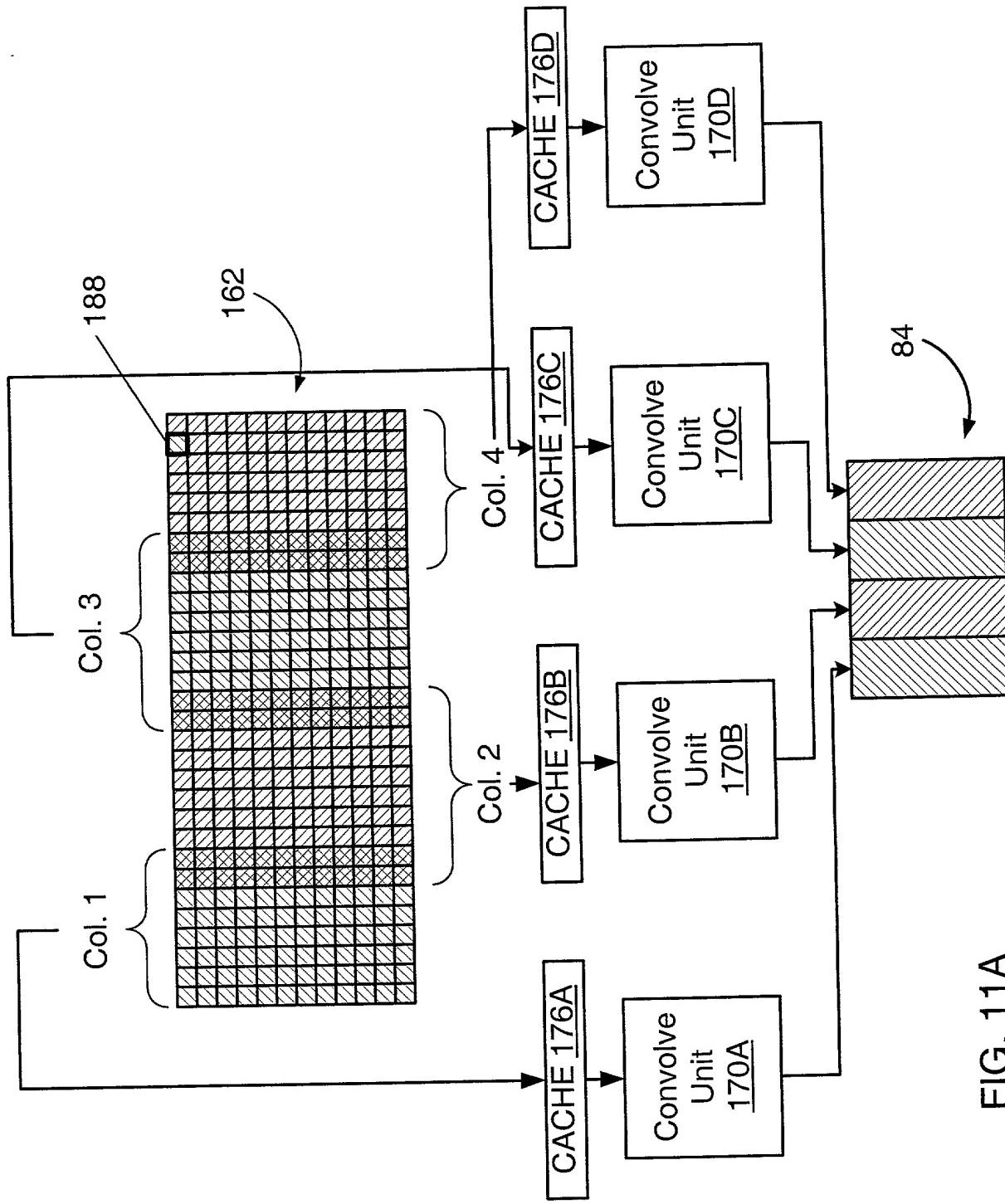


FIG. 11A

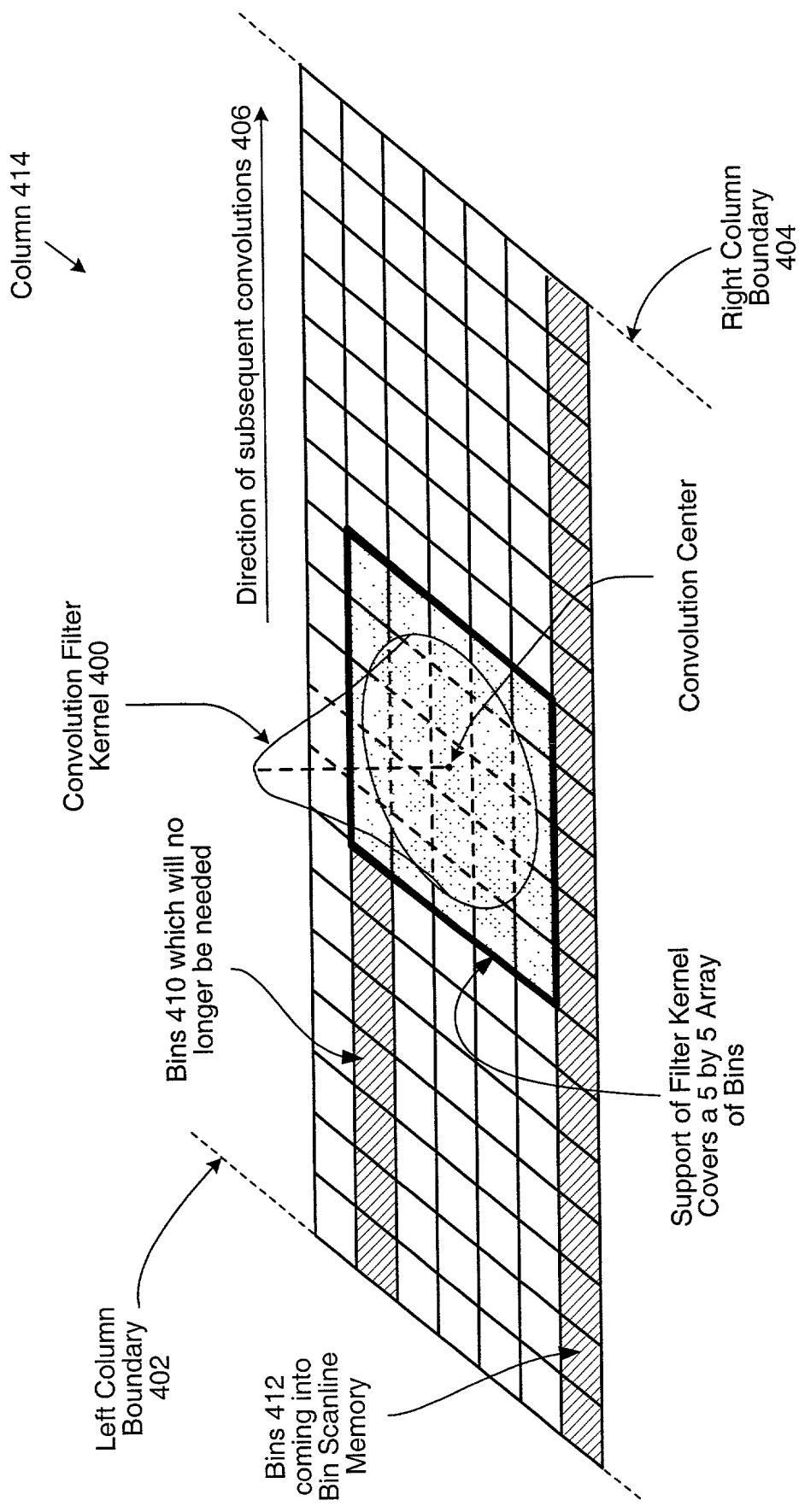


FIG. 11B

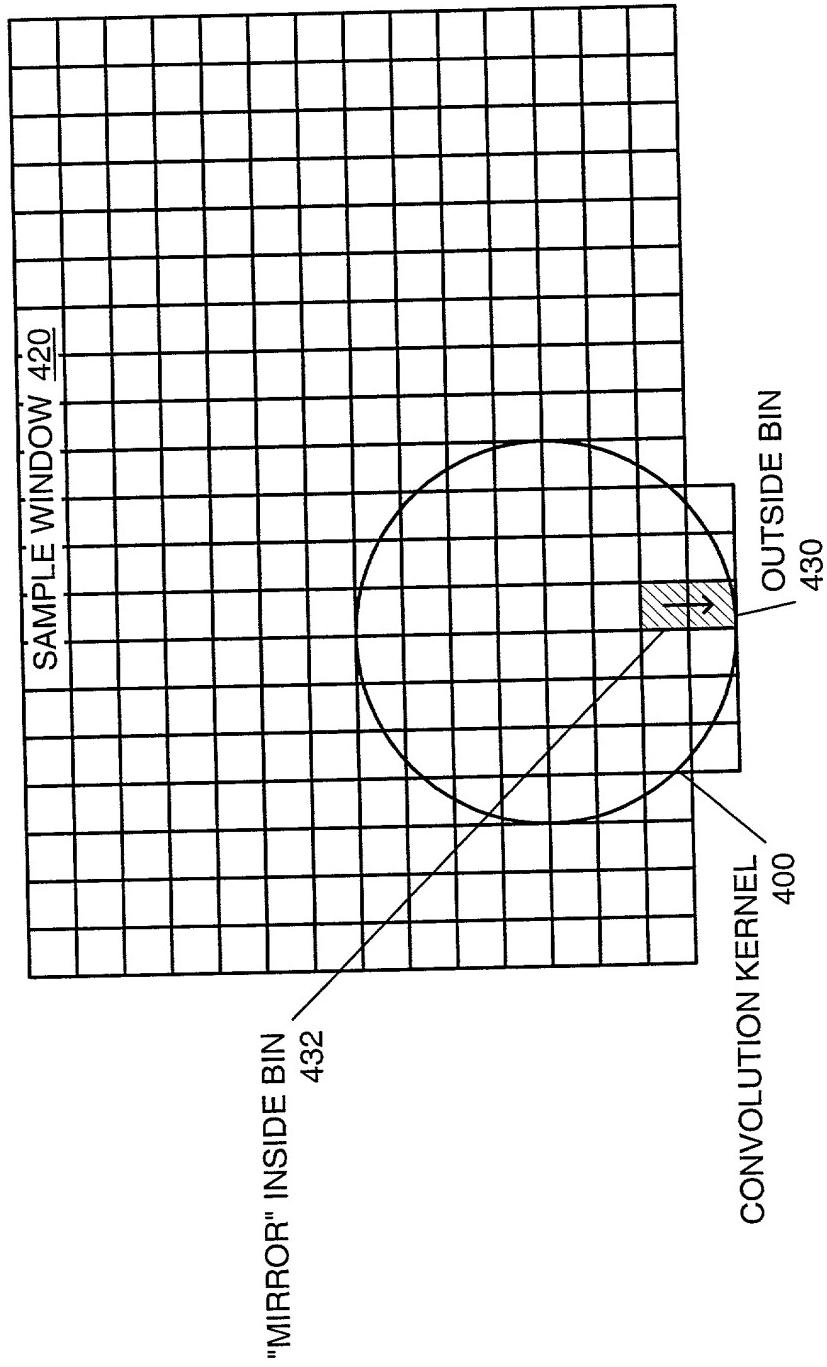


FIG. 11C

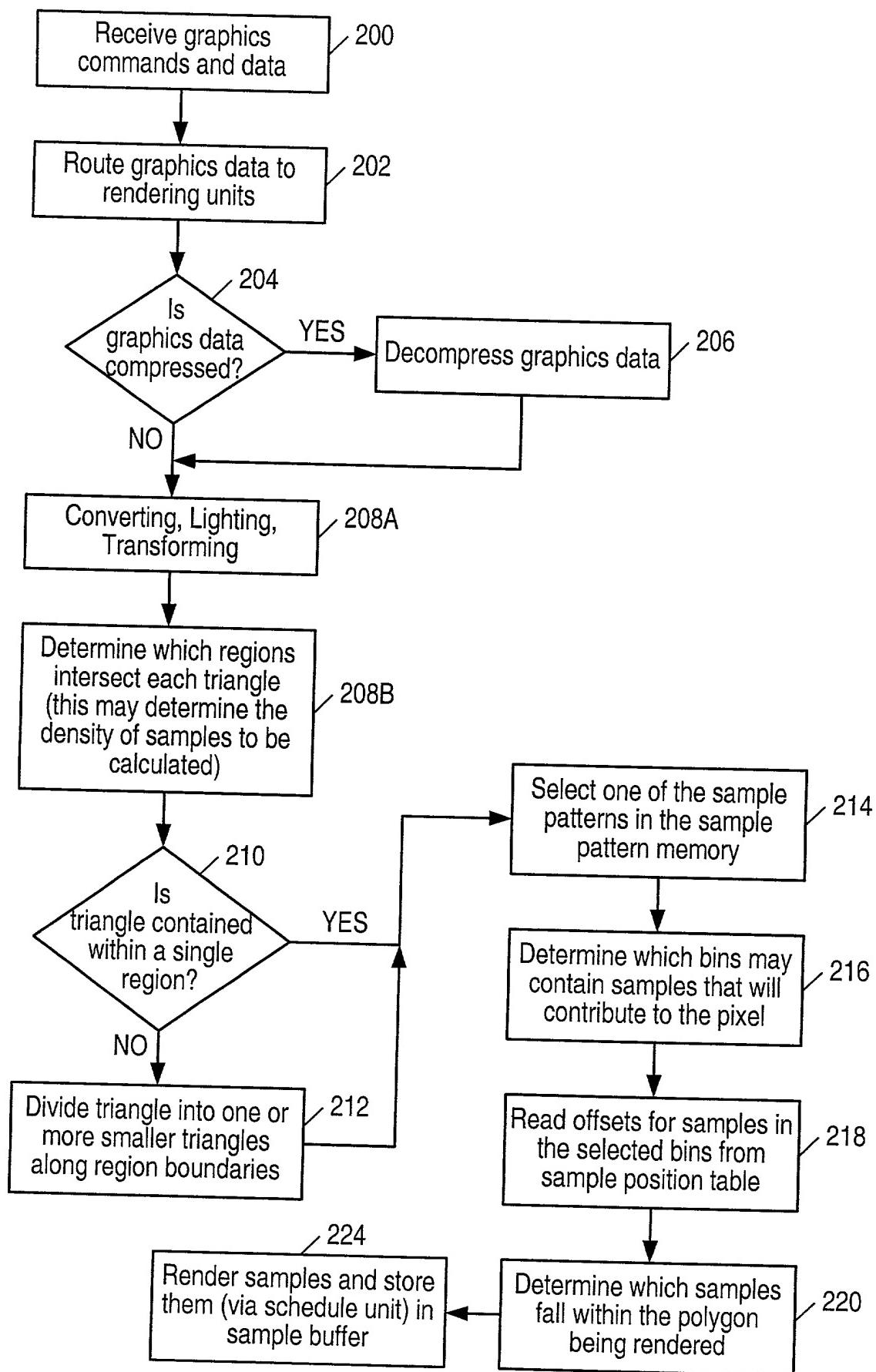


FIG. 12A

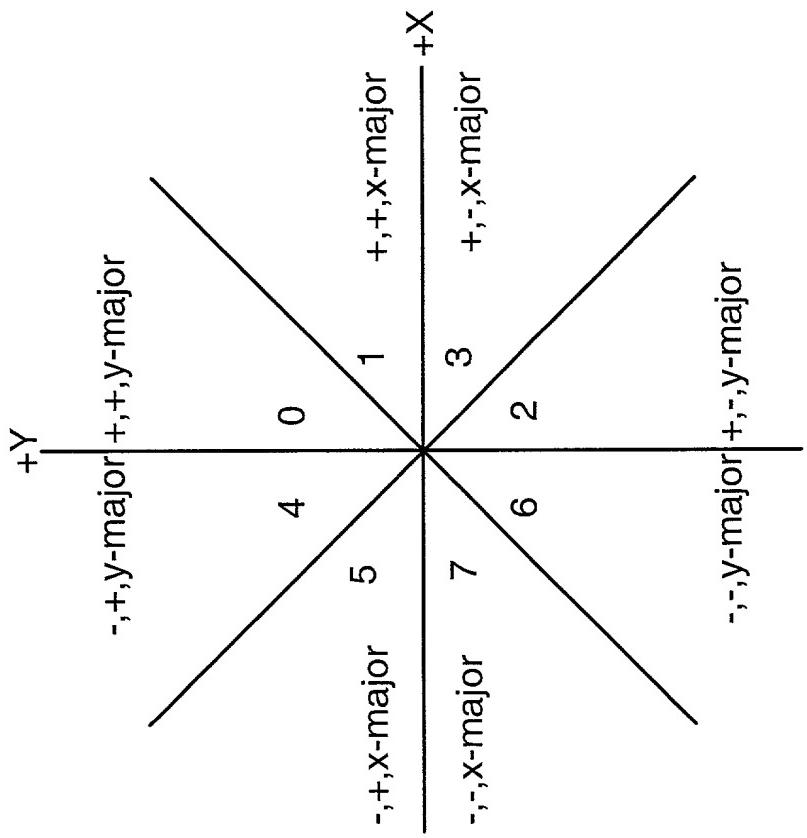


FIG. 12B

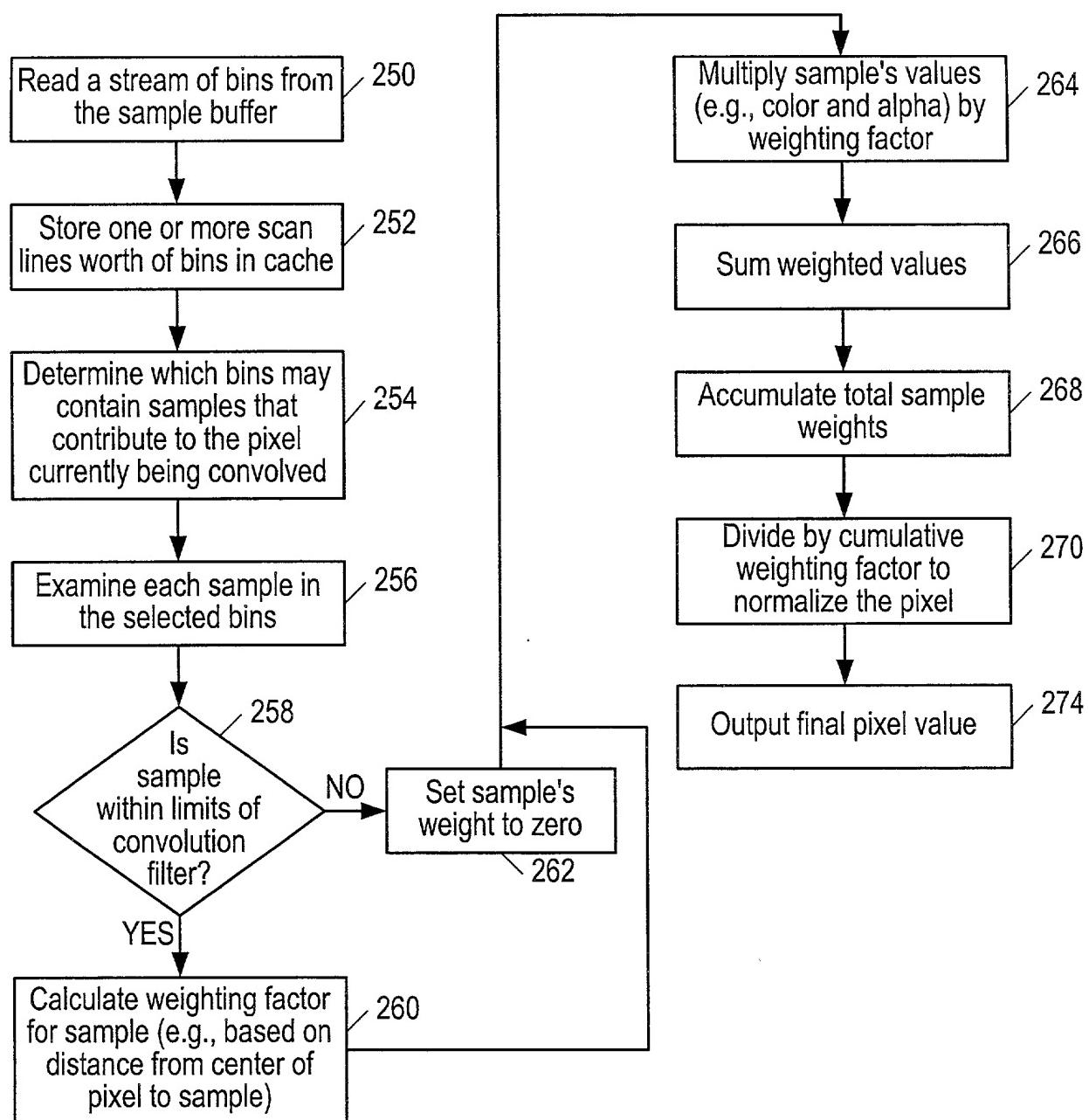


FIG. 13

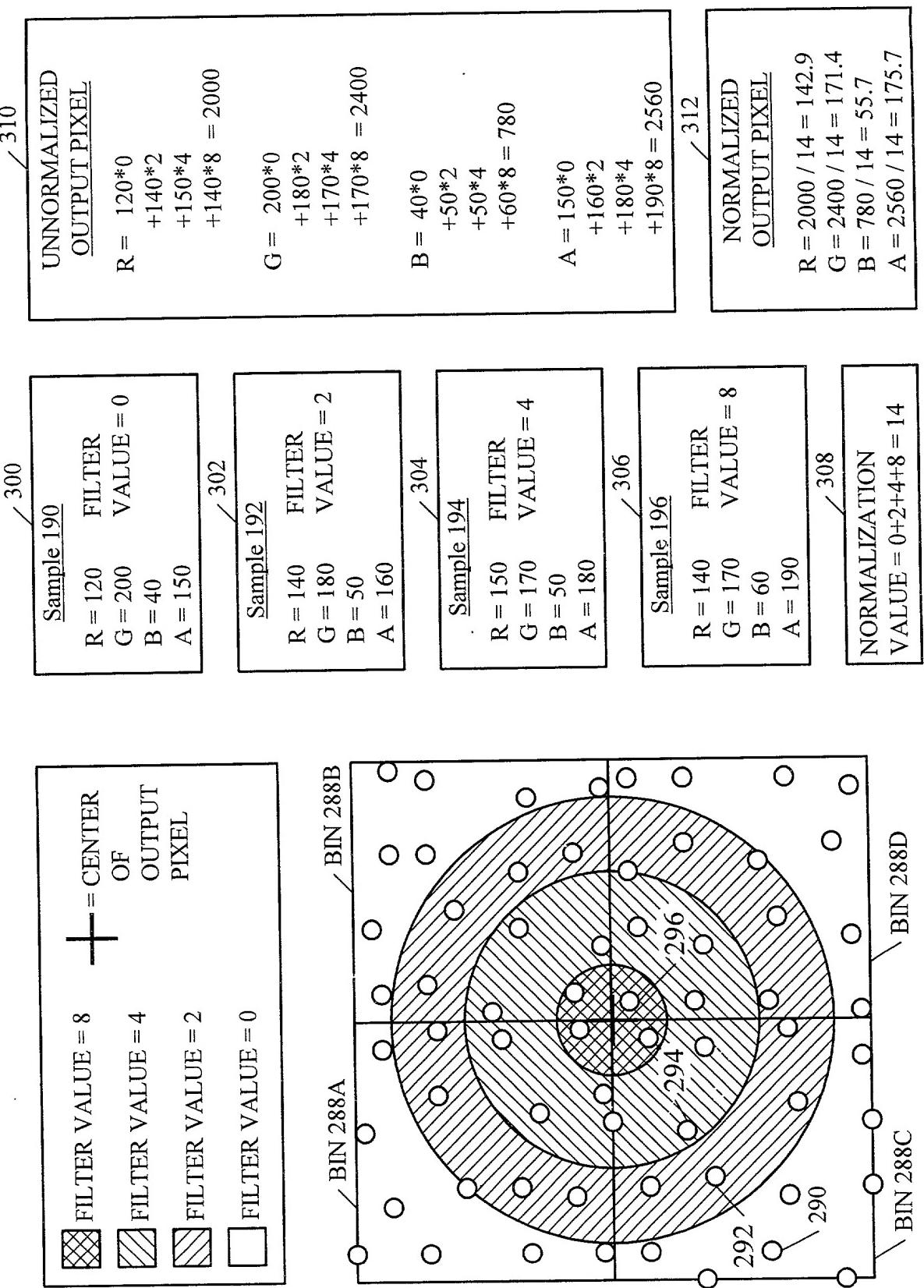


FIG. 14

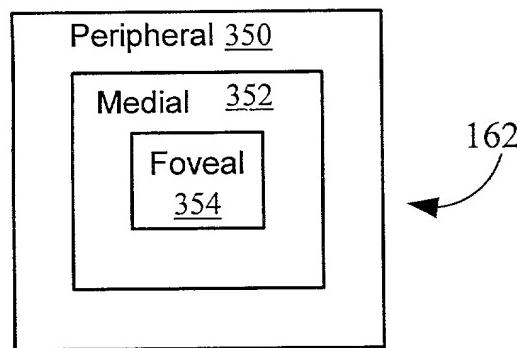


FIG. 15

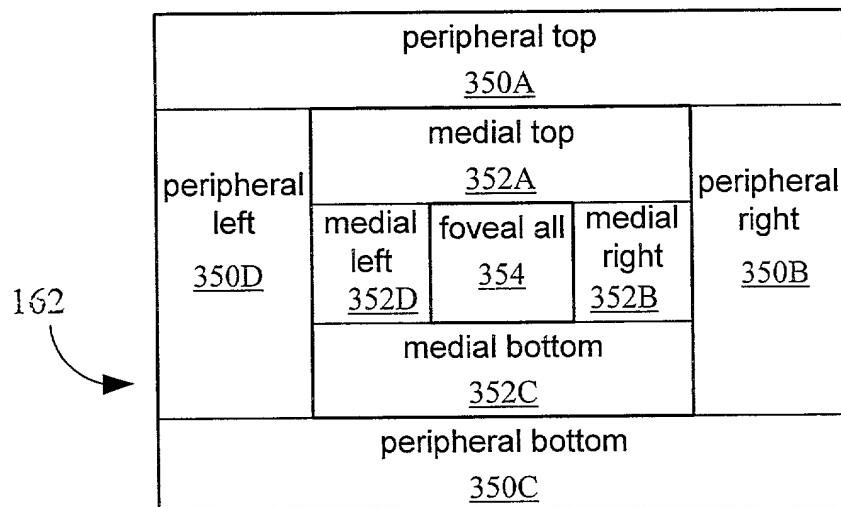


FIG. 16

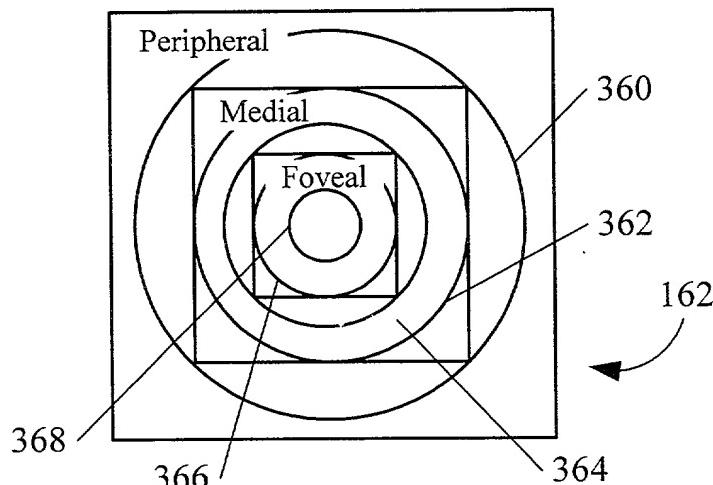


FIG. 17

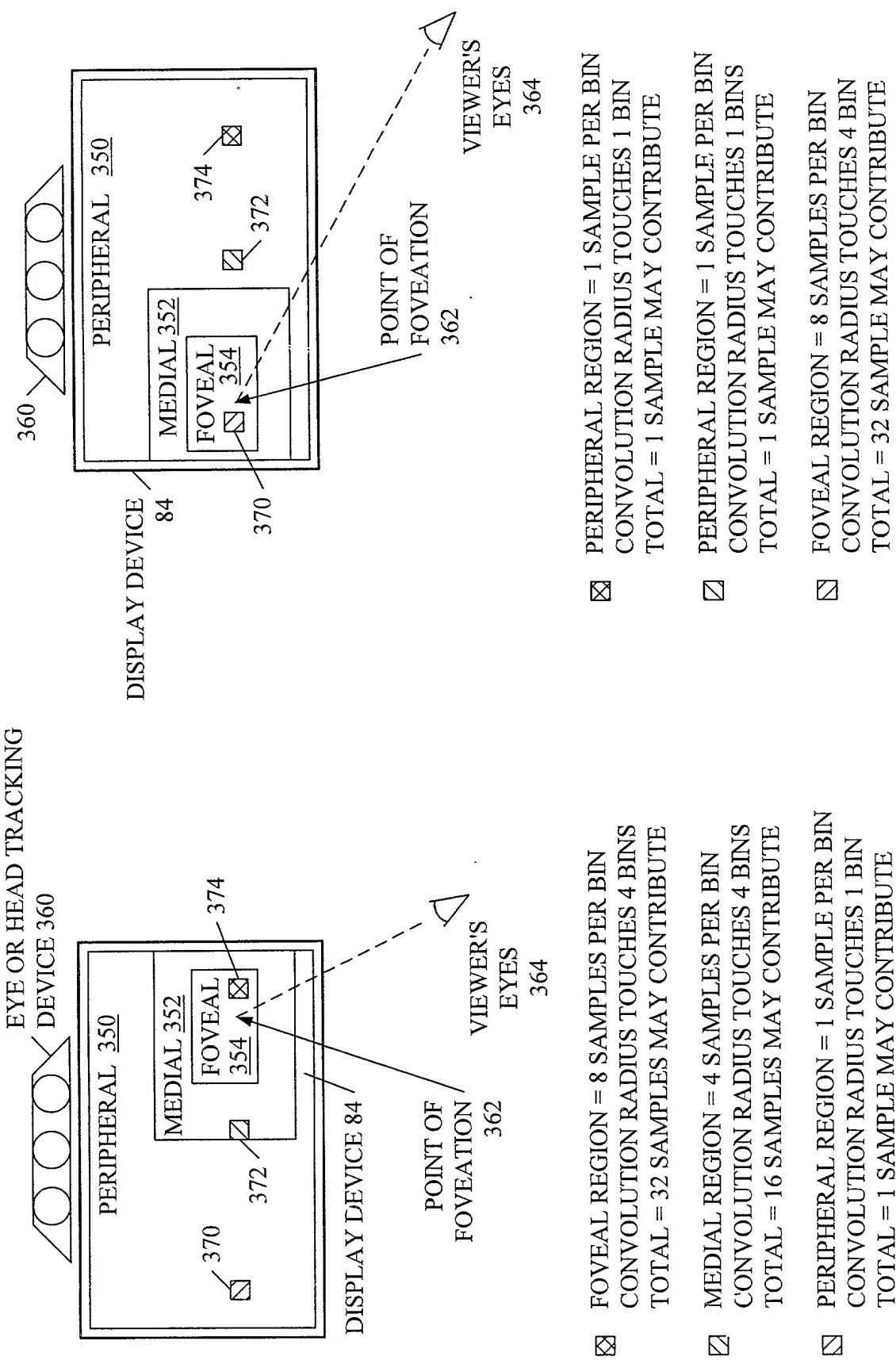


FIG. 18B

FIG. 18A

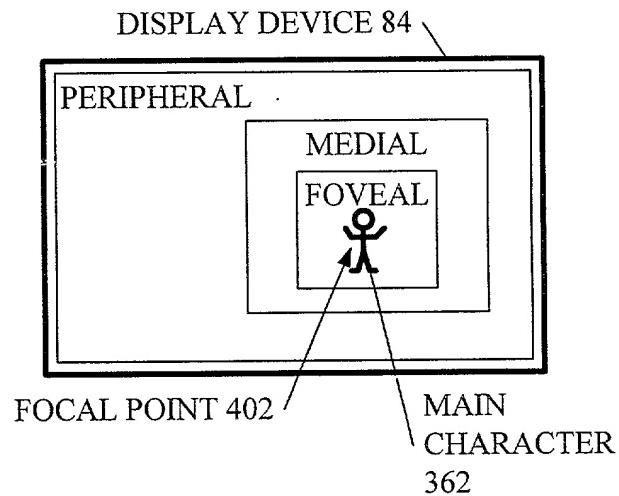


FIG. 19A

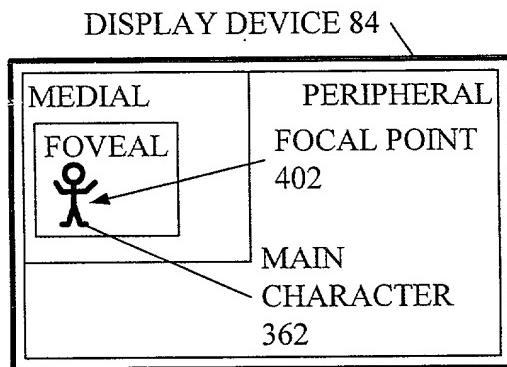


FIG. 19B

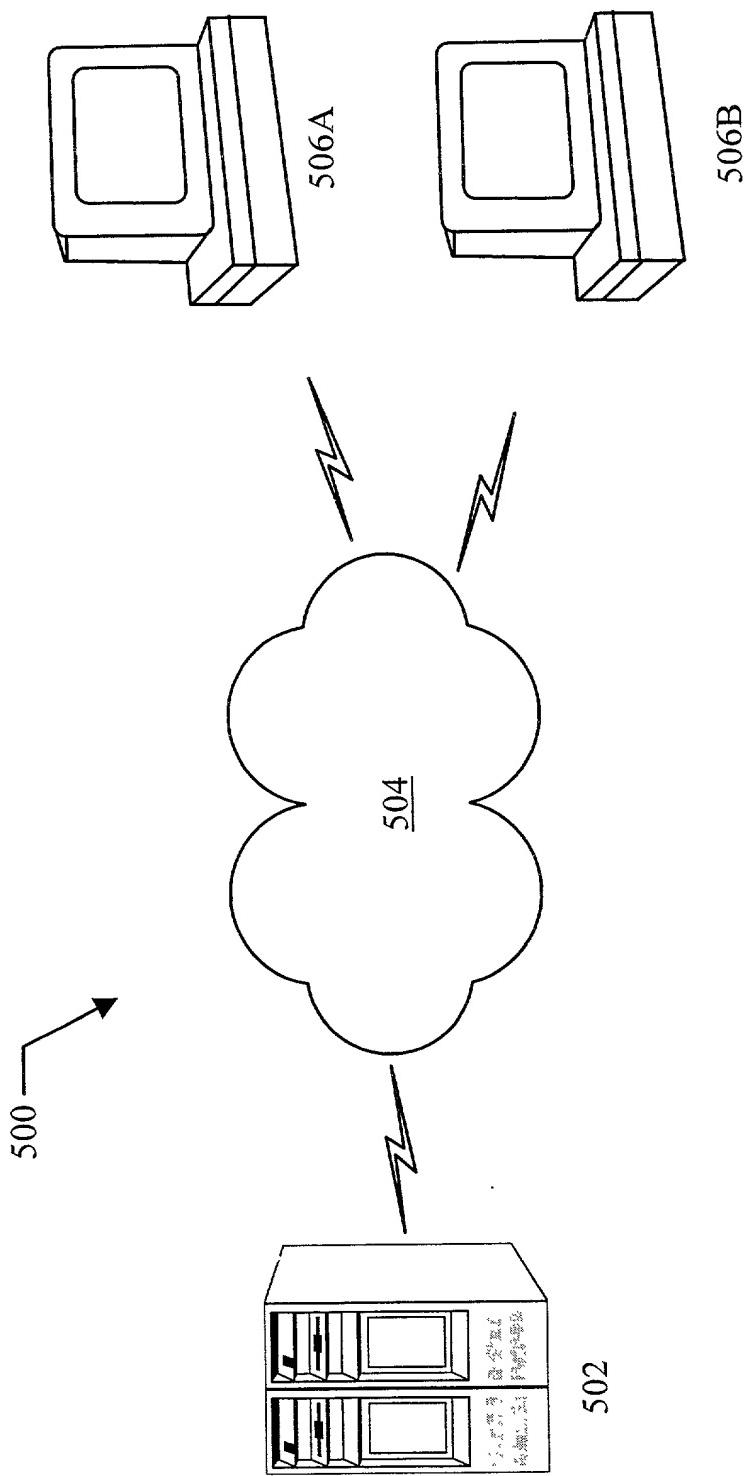


FIG. 20

$$r_i^p = \sum_j c_j r_j^s \quad \text{Eqn. 1}$$

$$g_i^p = \sum_j c_j g_j^s \quad \text{Eqn. 2}$$

$$b_i^p = \sum_j c_j b_j^s \quad \text{Eqn. 3}$$

$$\alpha_i^p = \sum_j c_j \alpha_j^s \quad \text{Eqn. 4}$$

$$c_i^n = \frac{c_i}{\sum_j c_j} \quad \text{Eqn. 5}$$

$$r_i^p = \frac{\sum_j c_j r_j^s}{\sum_j c_j} \quad \text{Eqn. 6}$$

$$g_i^p = \frac{\sum_j c_j g_j^s}{\sum_j c_j} \quad \text{Eqn. 7}$$

$$b_i^p = \frac{\sum_j c_j b_j^s}{\sum_j c_j} \quad \text{Eqn. 8}$$

$$\alpha_i^p = \frac{\sum_j c_j \alpha_j^s}{\sum_j c_j} \quad \text{Eqn. 9}$$

Figure 21

FIG. 22A

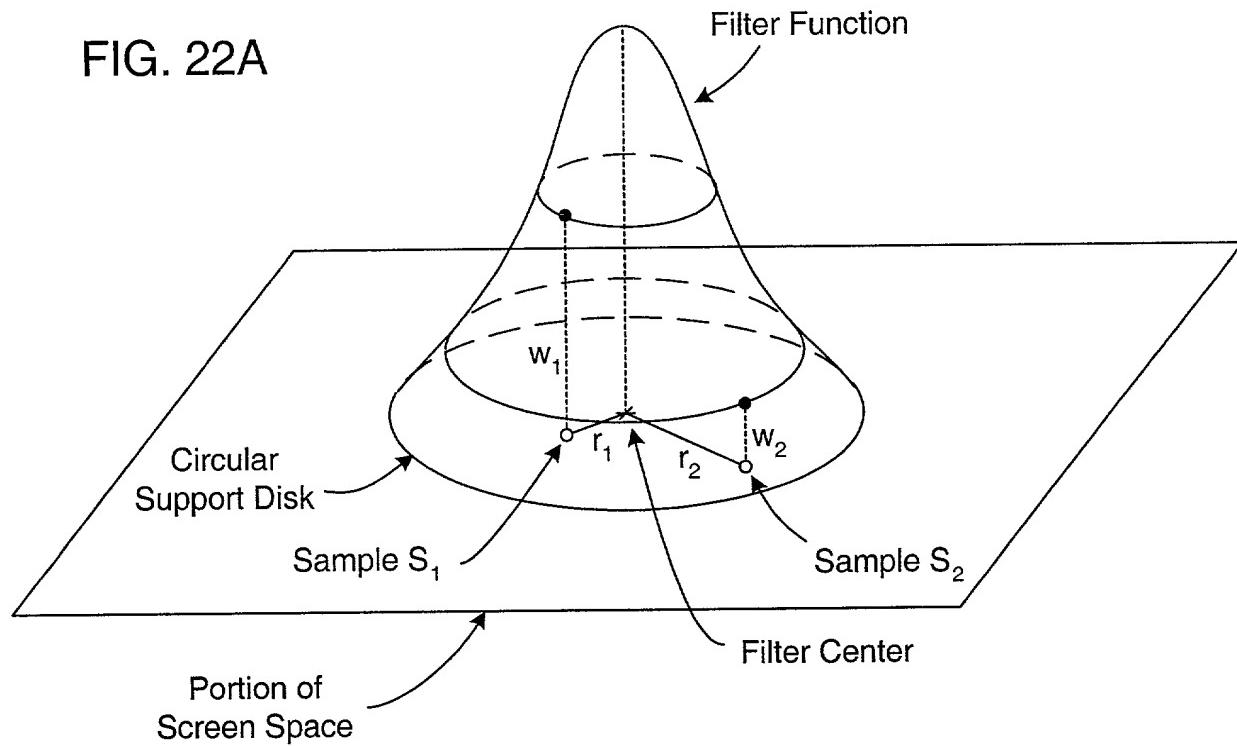
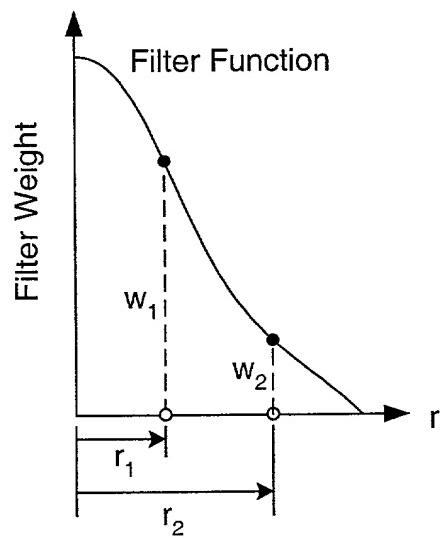


FIG. 22B



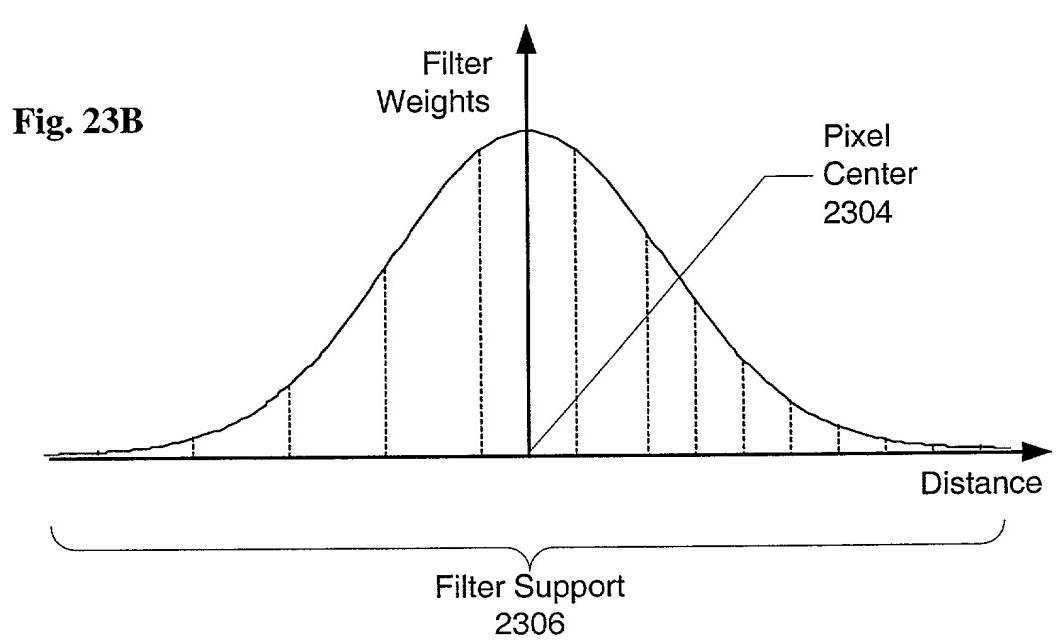
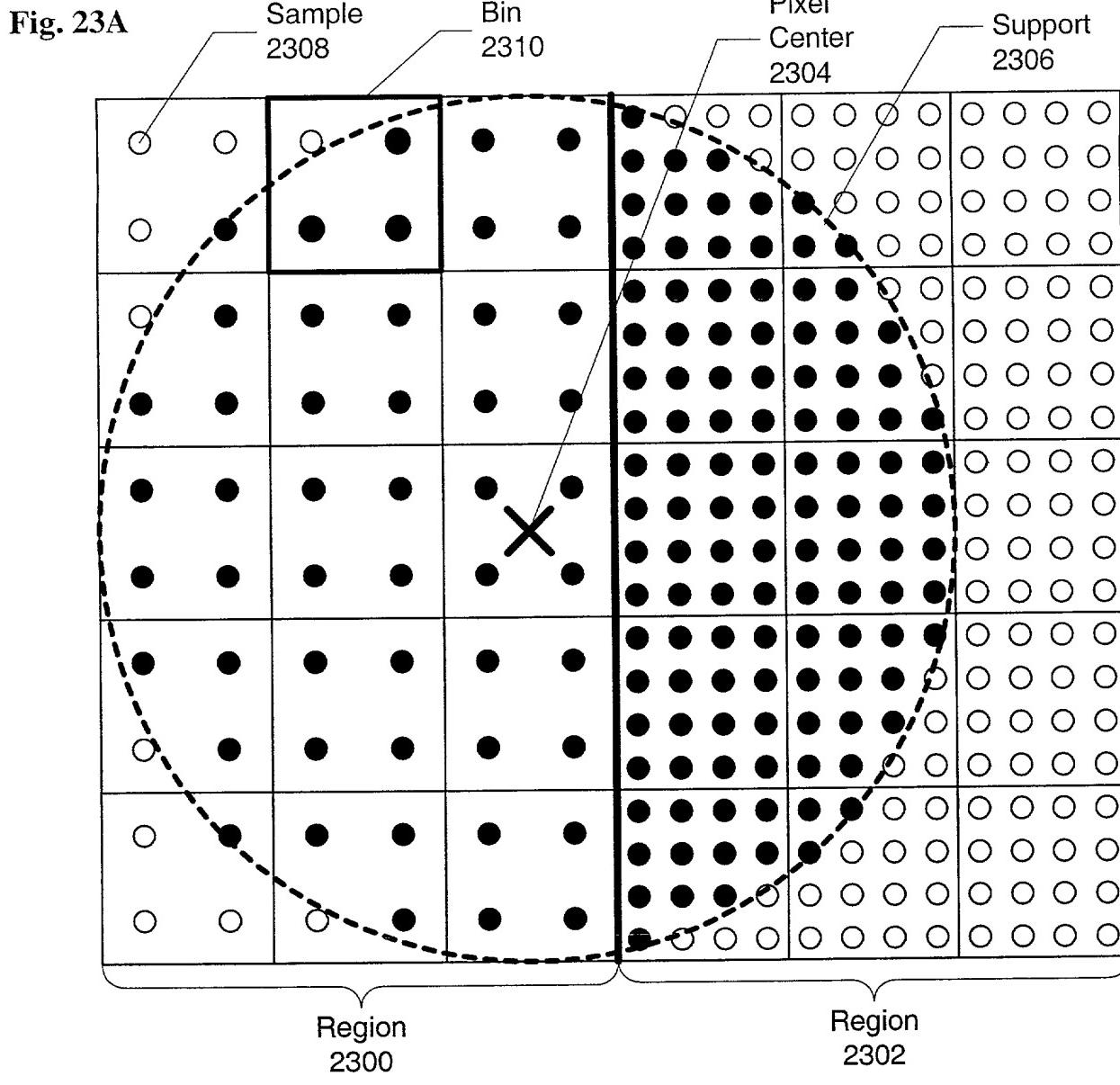


Fig. 24A

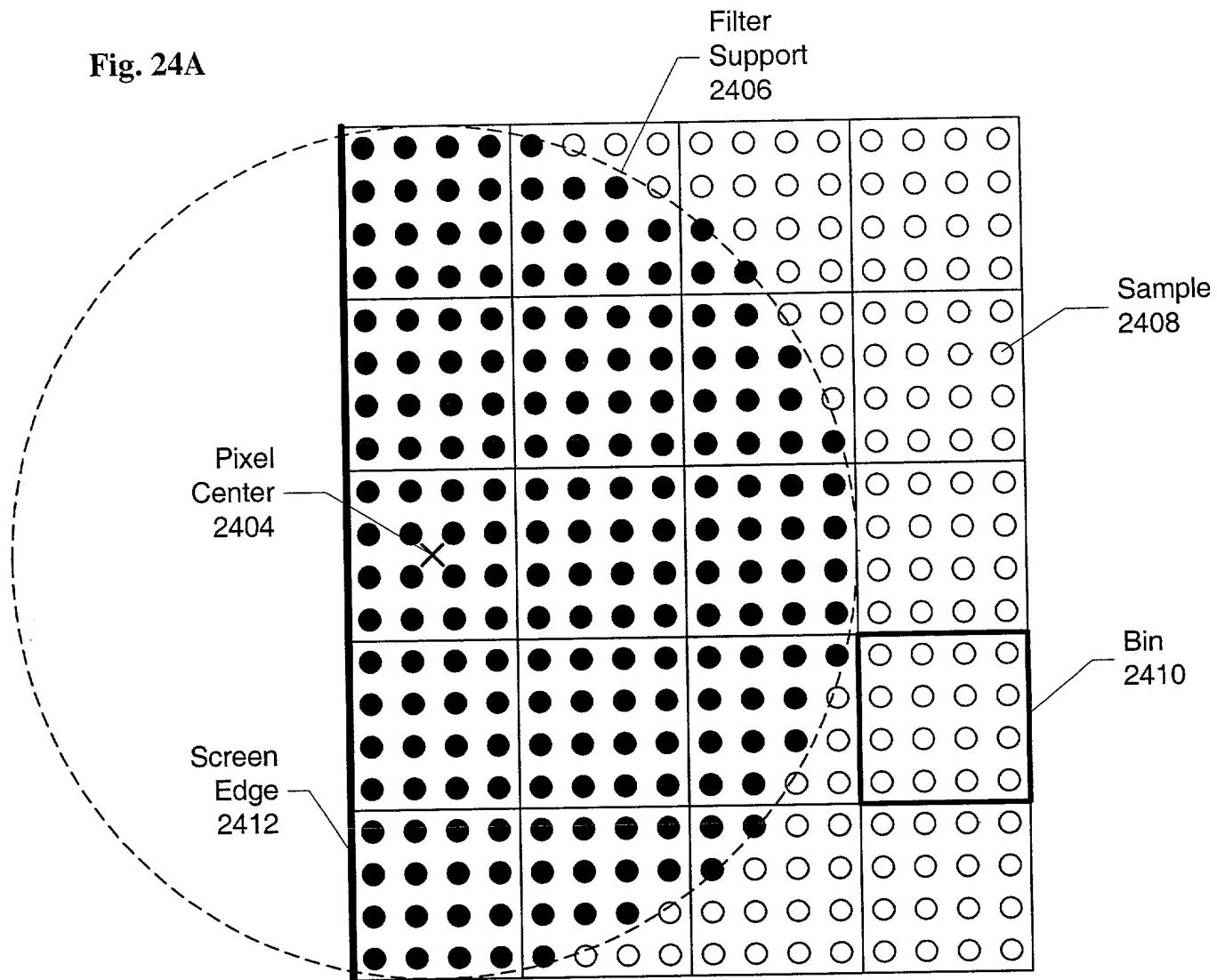


Fig. 24B

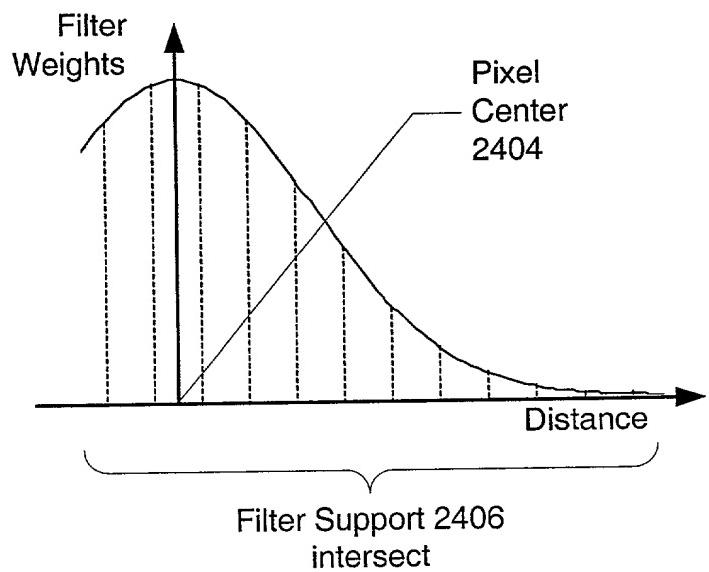


Fig. 25A

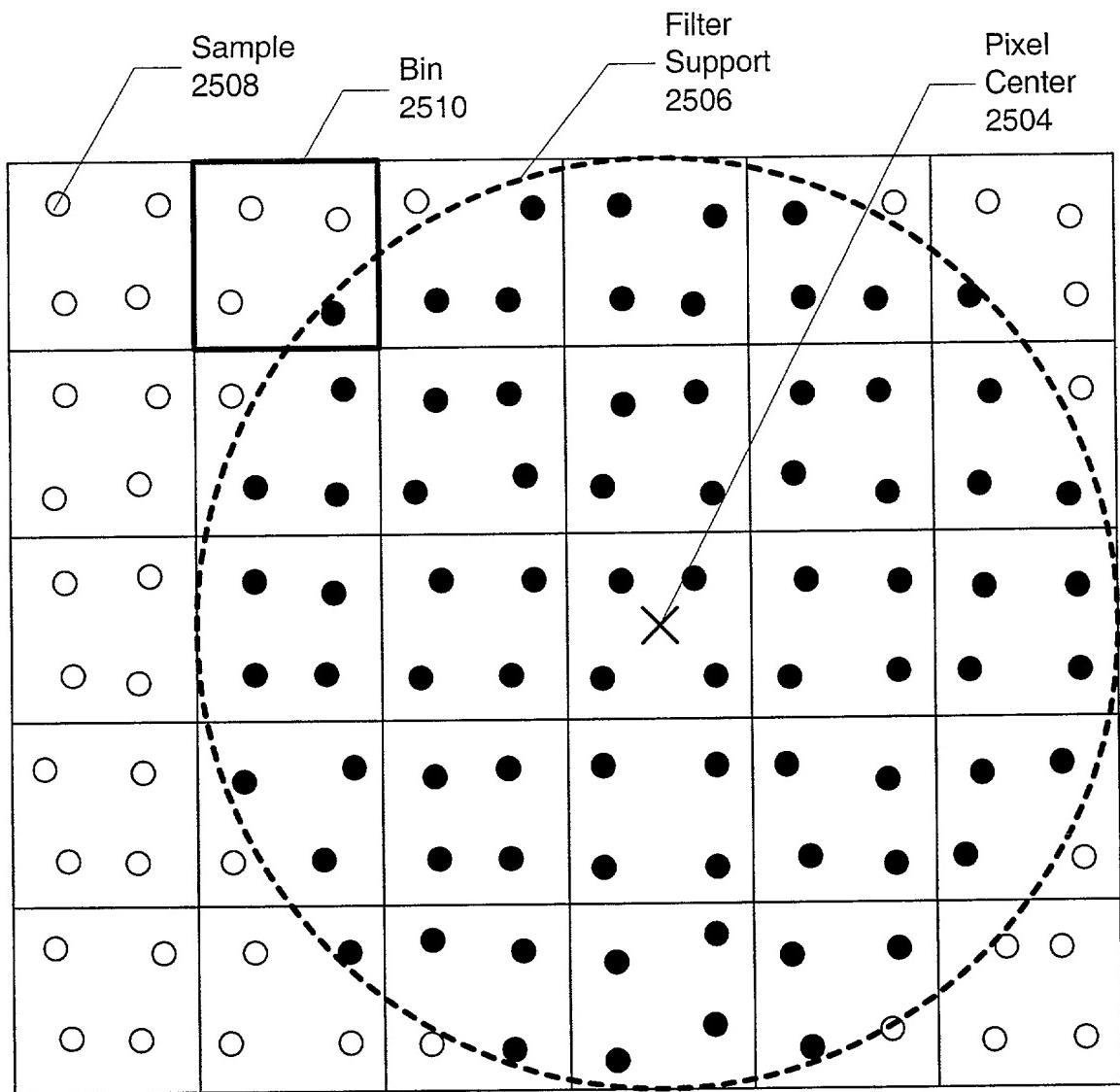
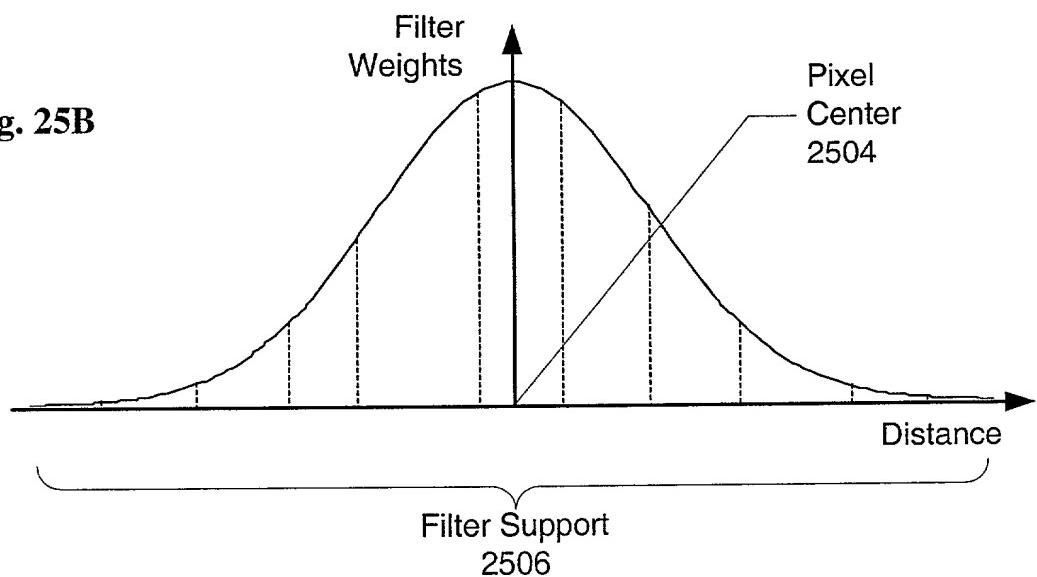


Fig. 25B



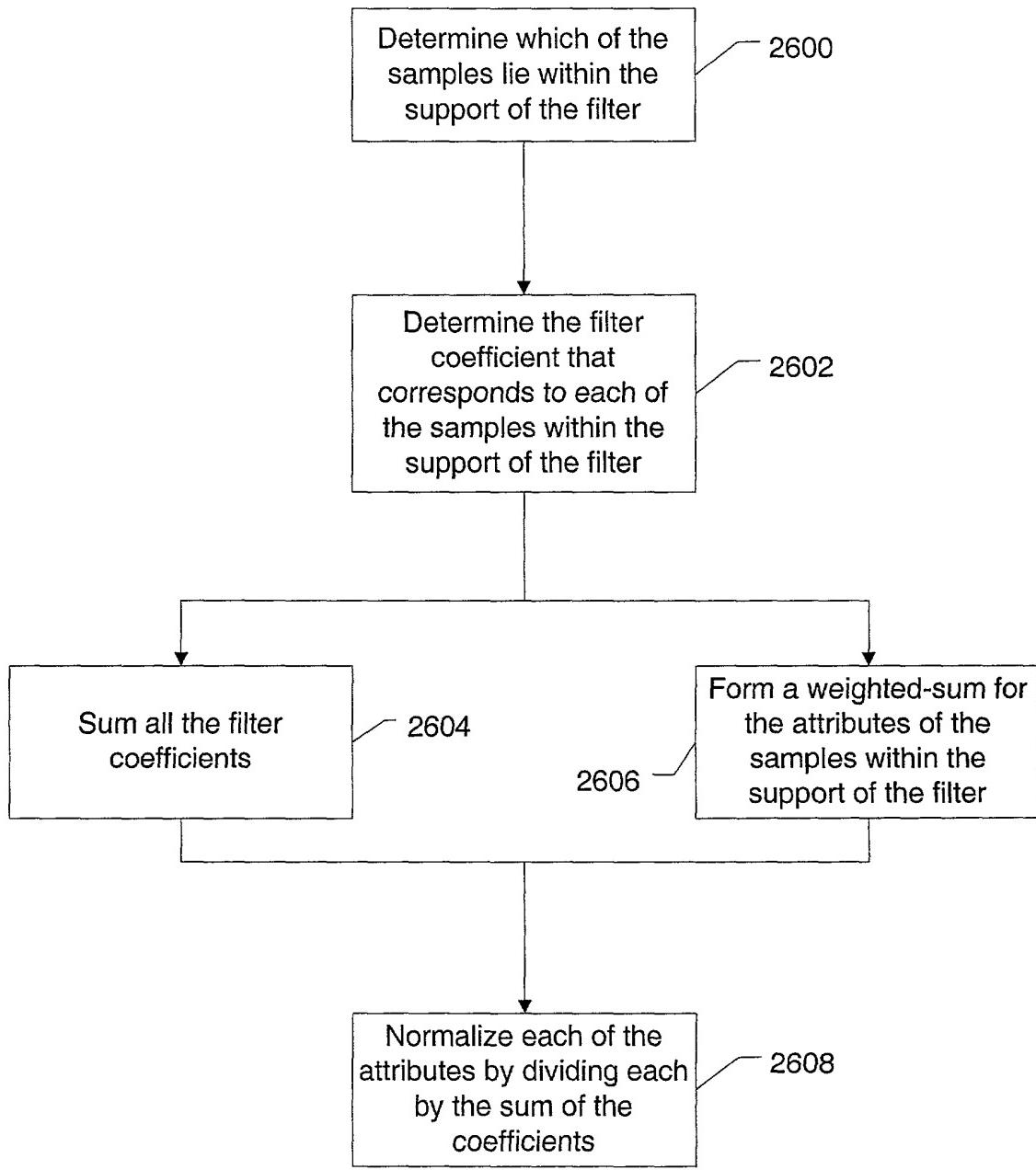


Figure 26

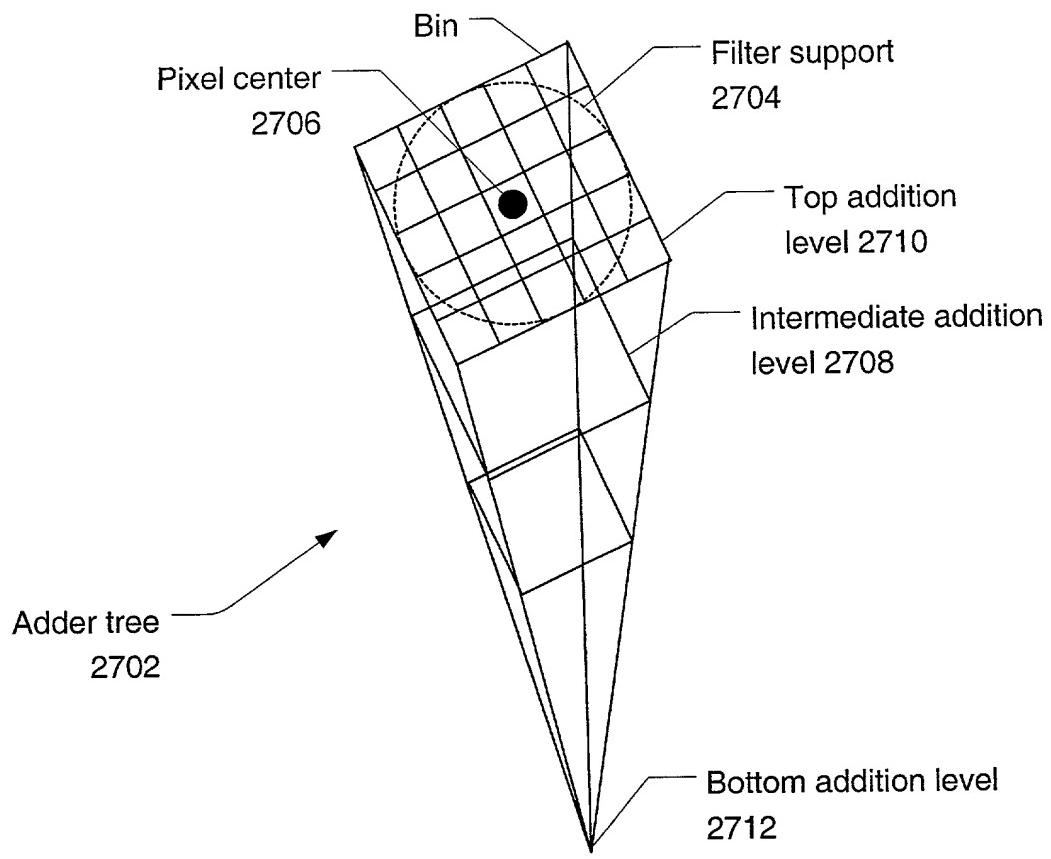


Figure 27

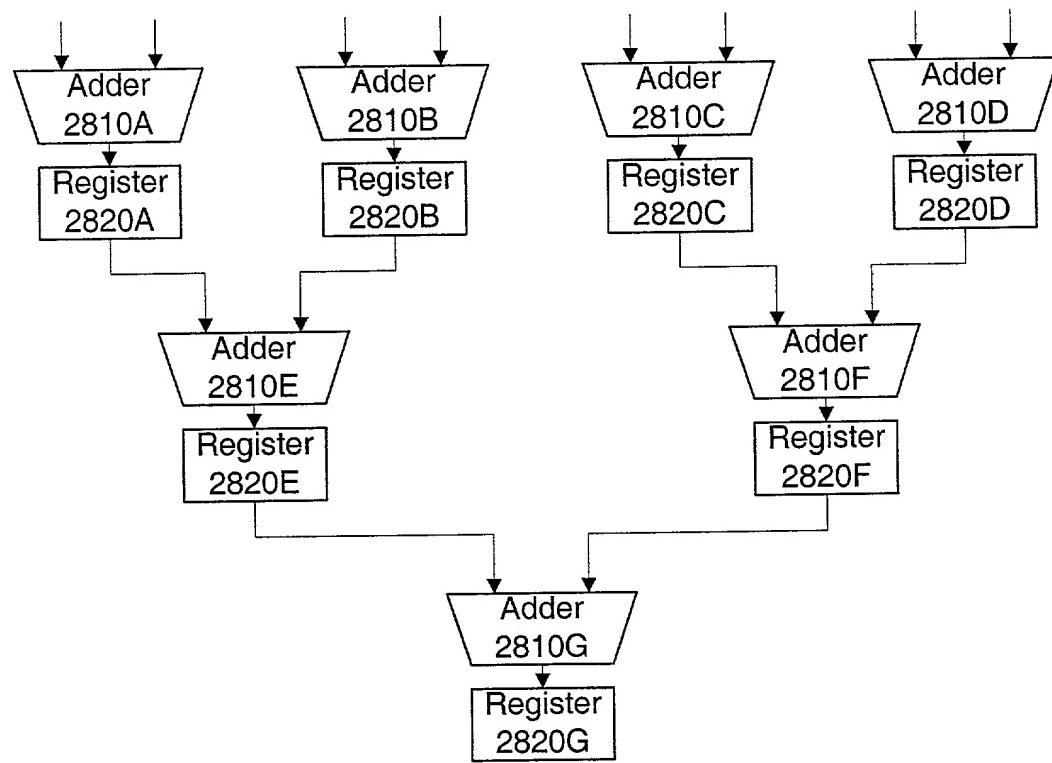


Figure 28

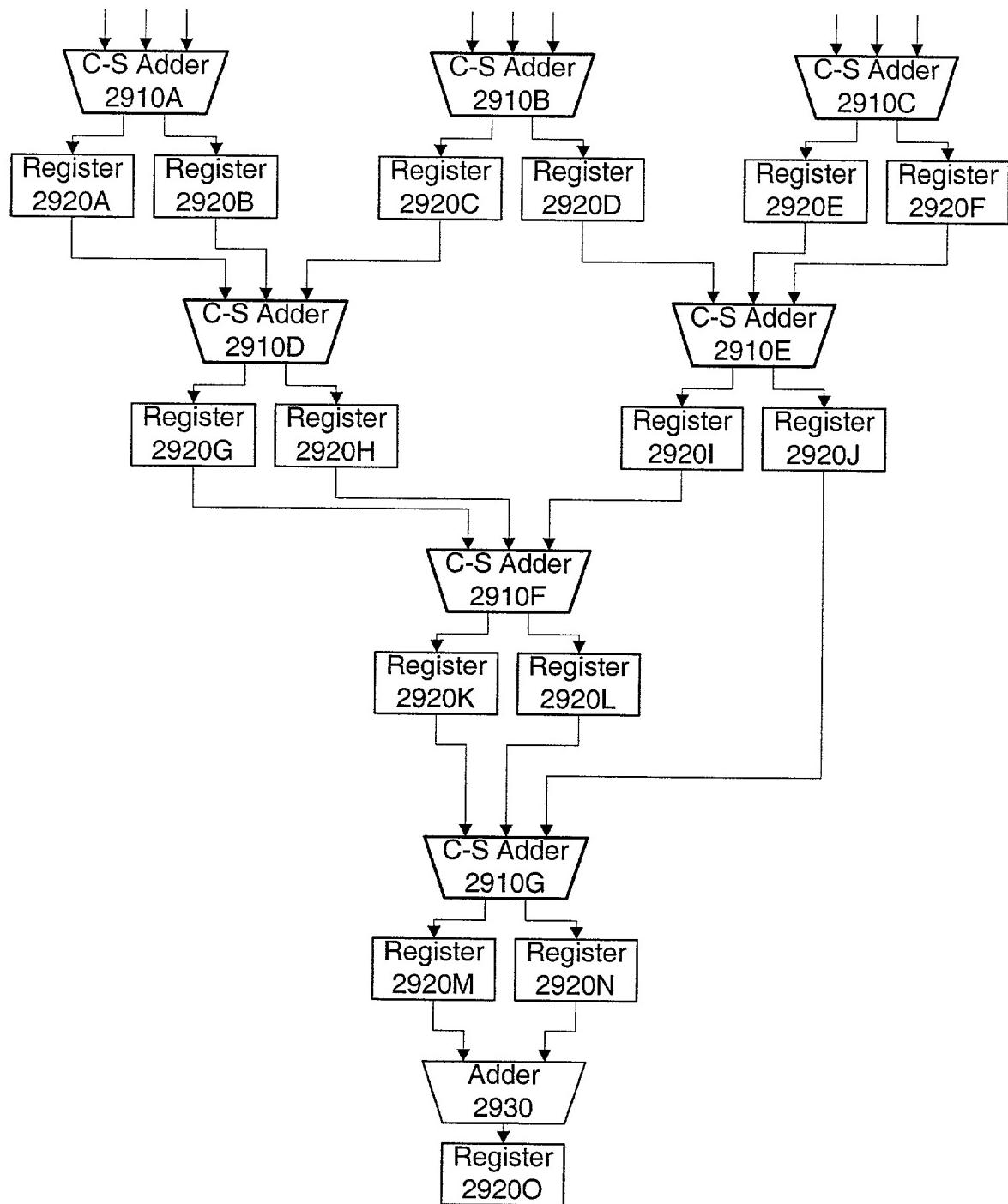


Figure 29

Fig. 30A

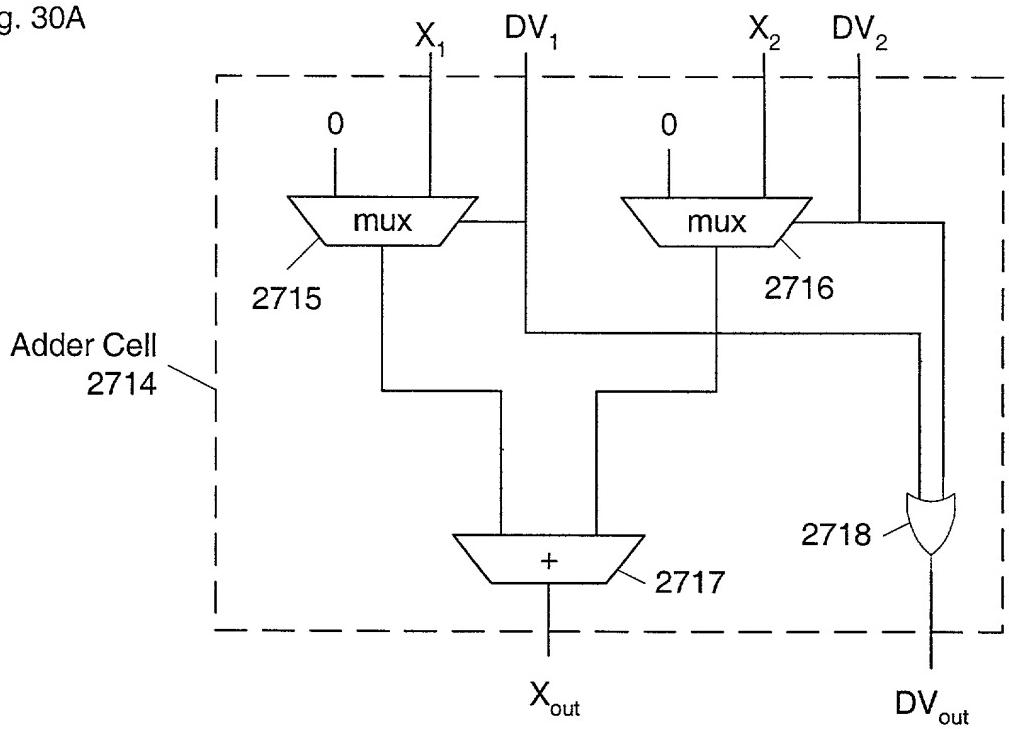


Fig. 30B

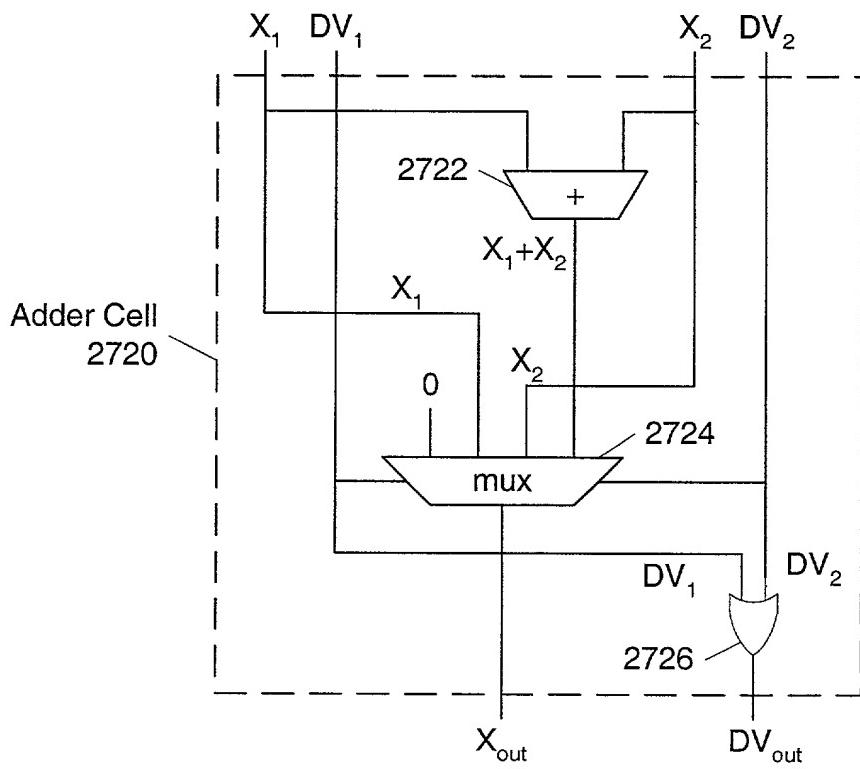


Fig. 31

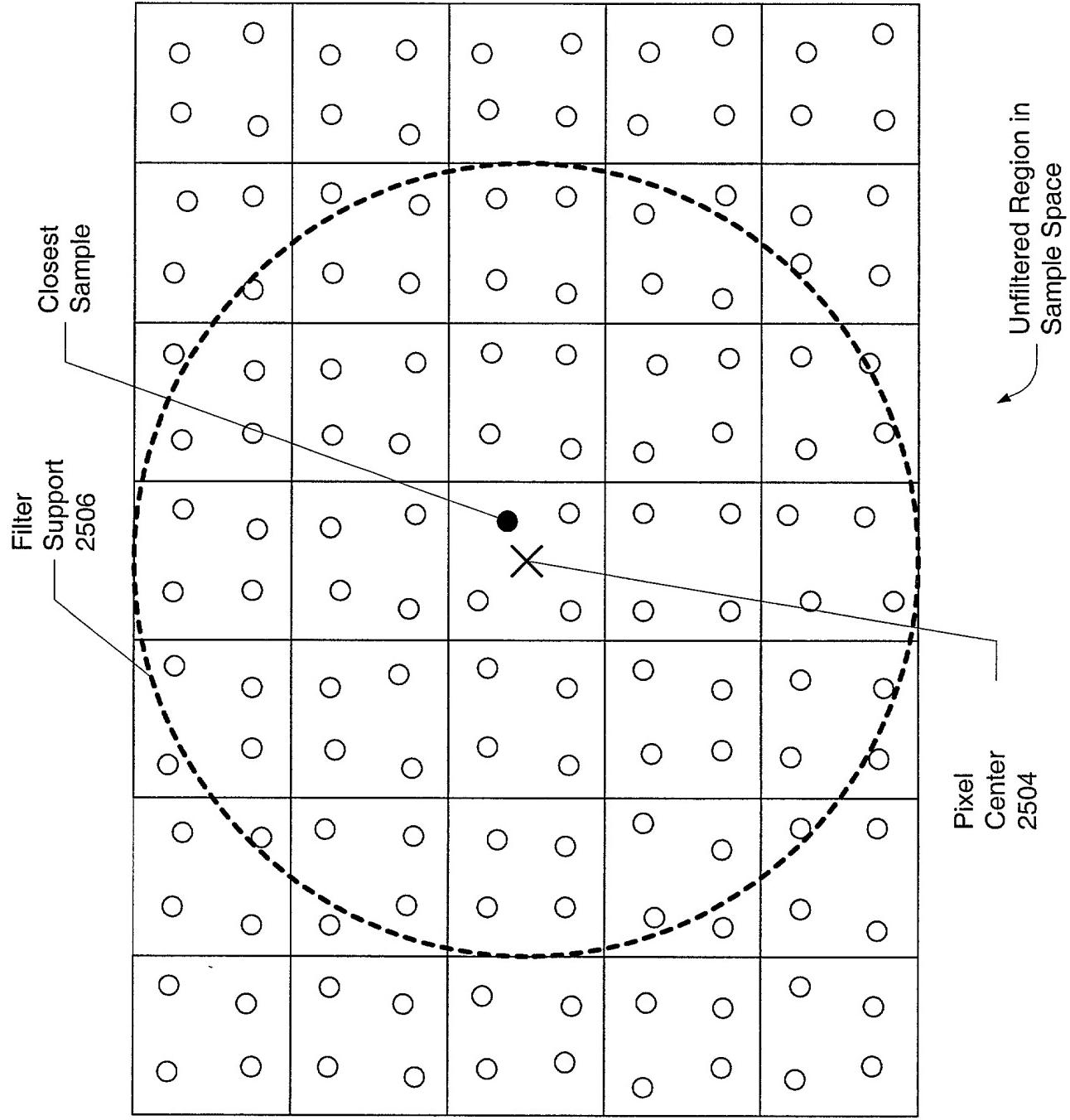
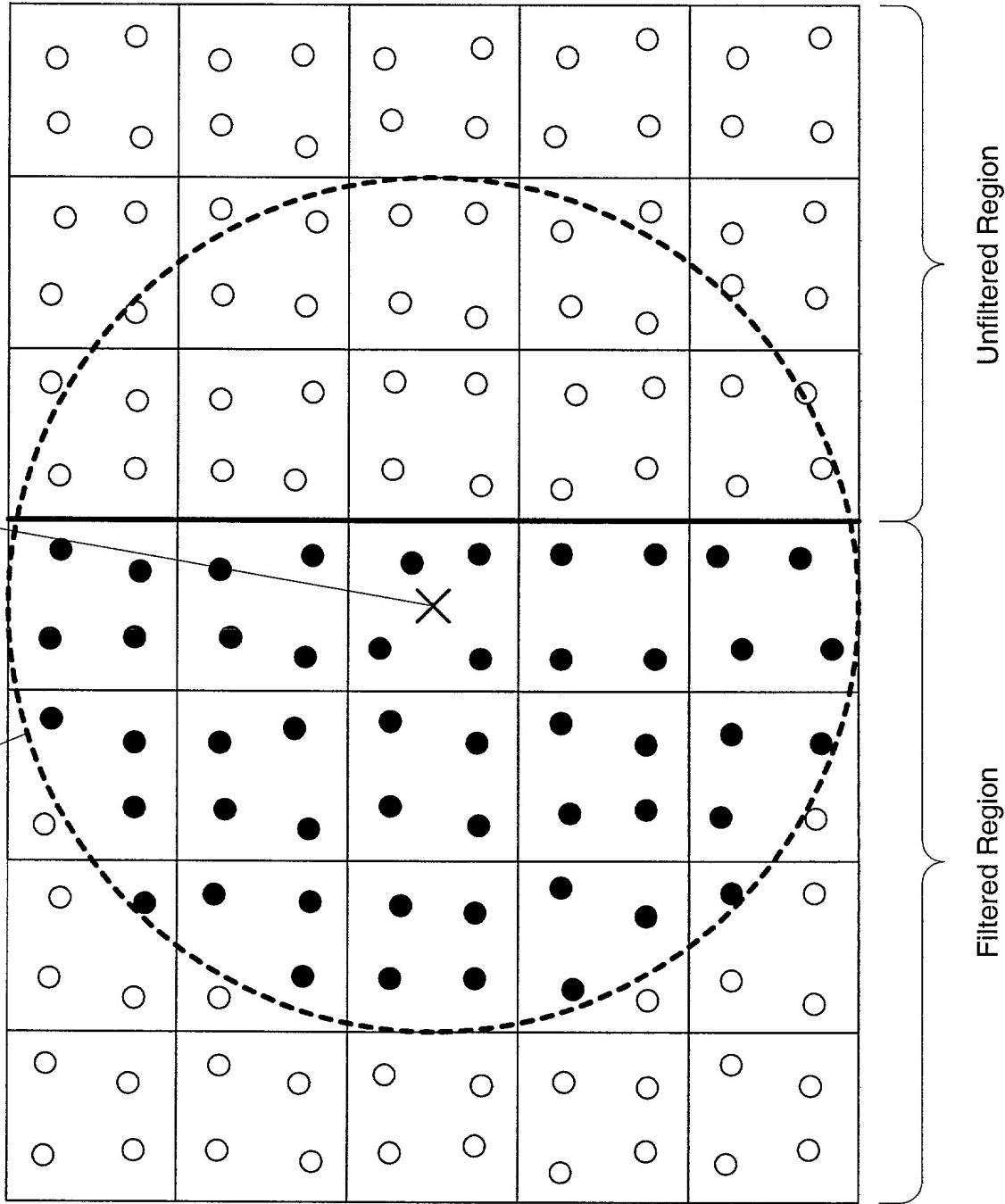


Fig. 32

Filter Support 2506
Pixel Center 2504



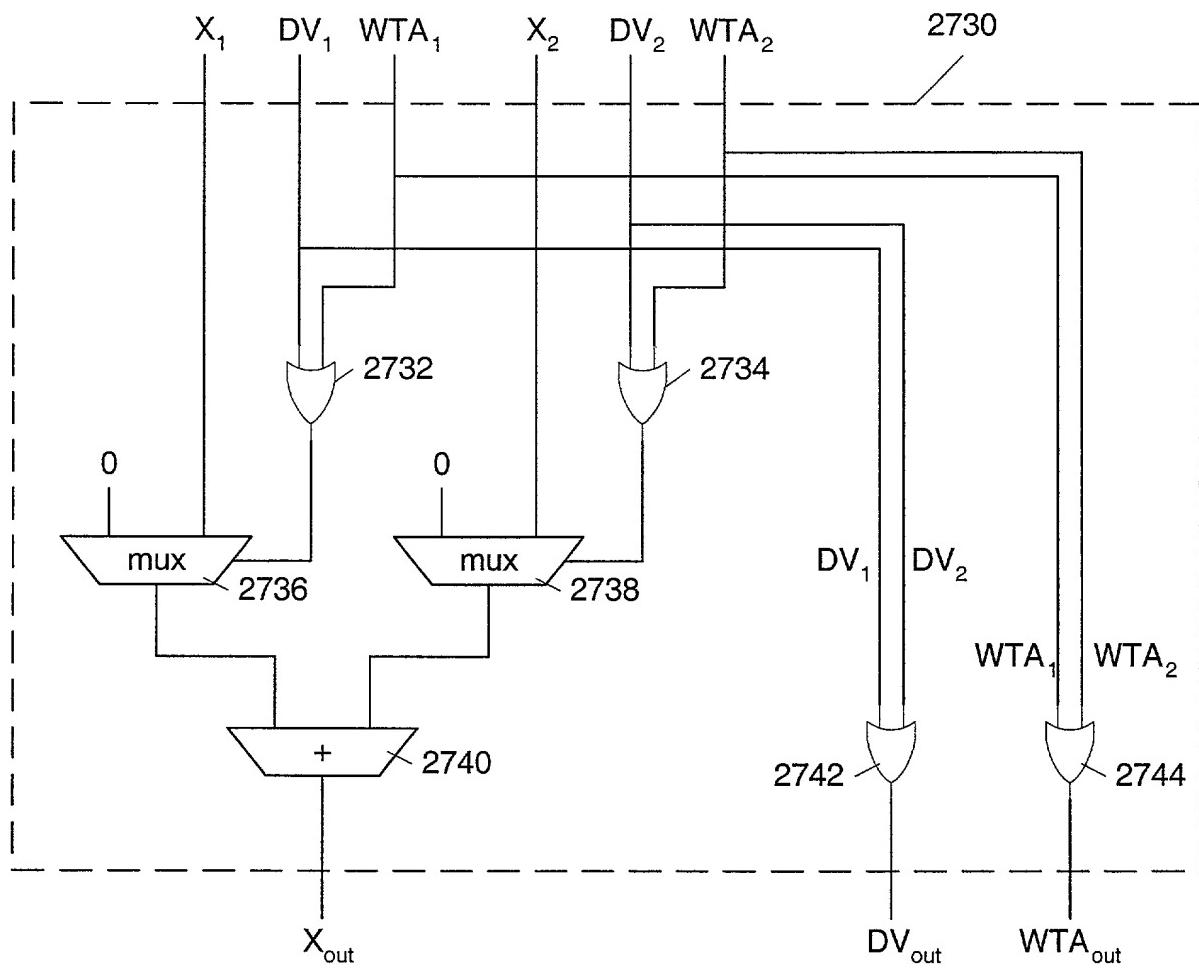


Fig. 33A

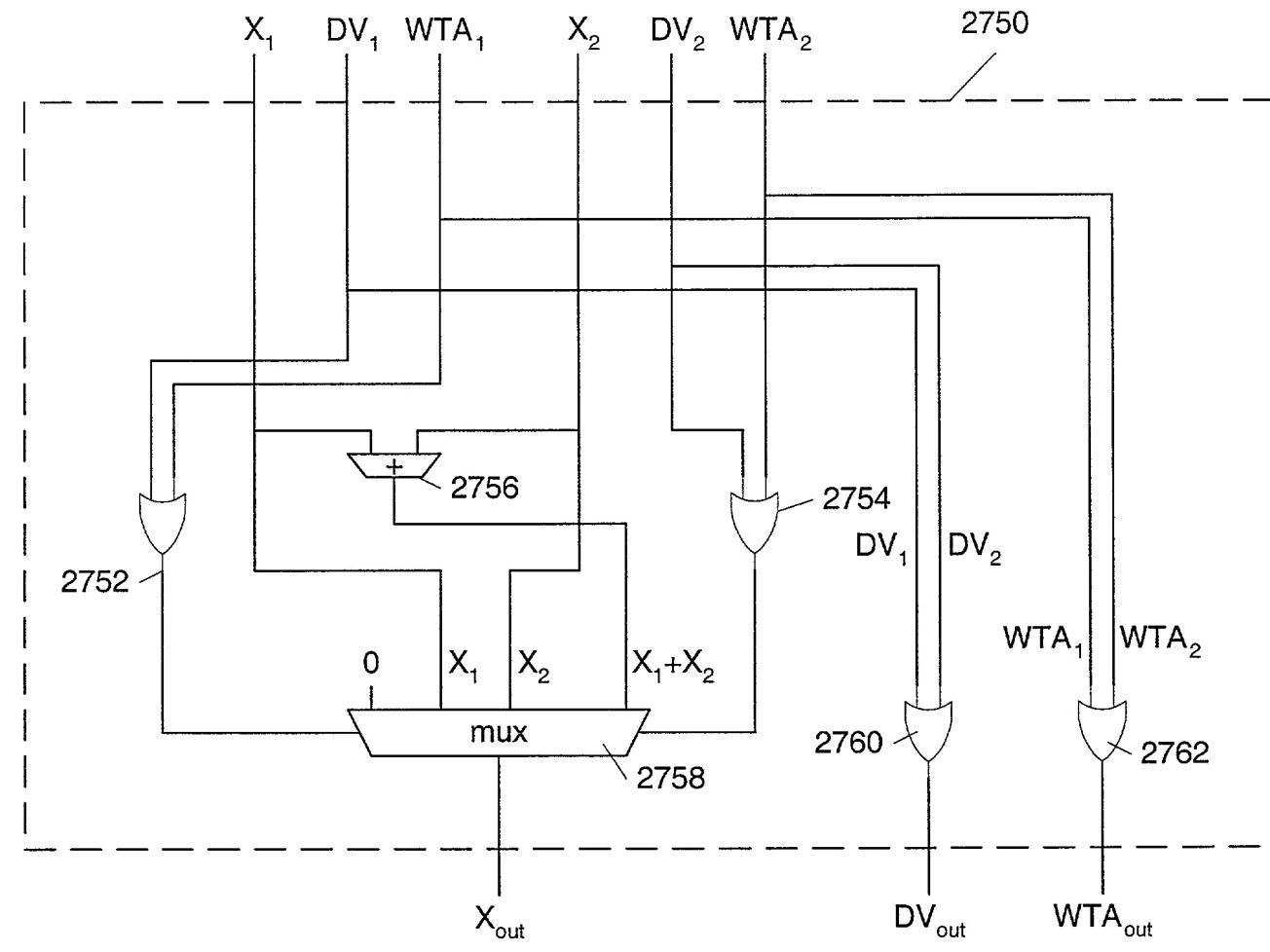


Fig. 33B

Figure 33C

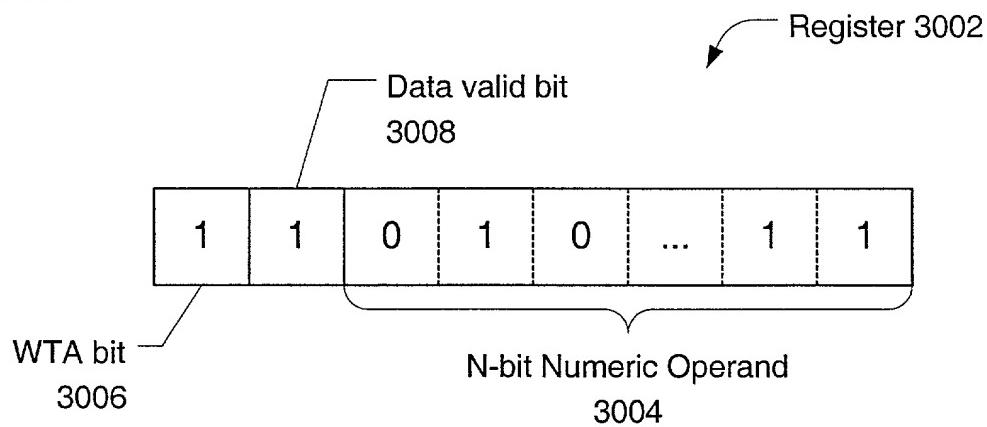
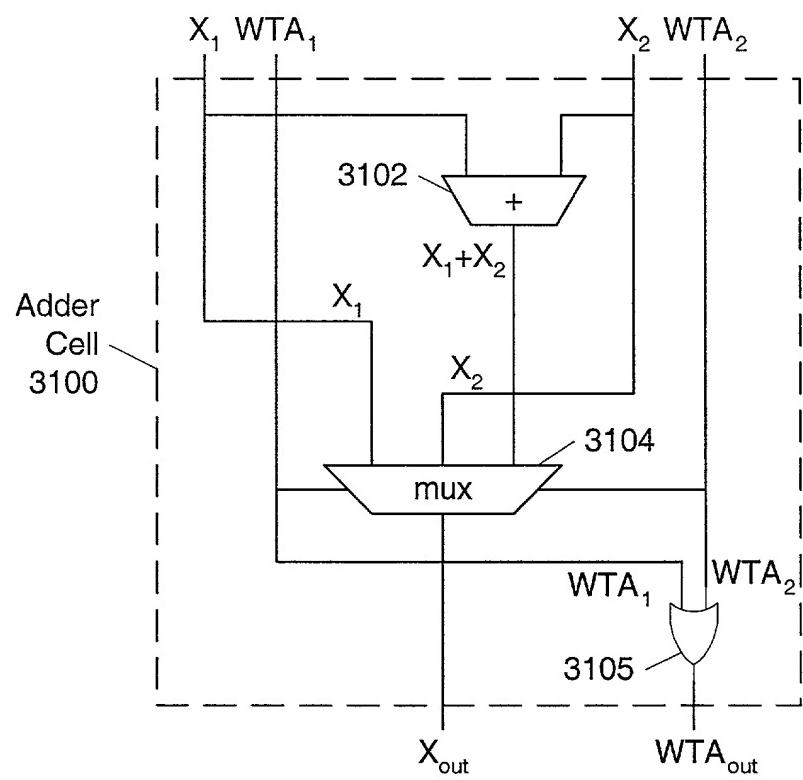
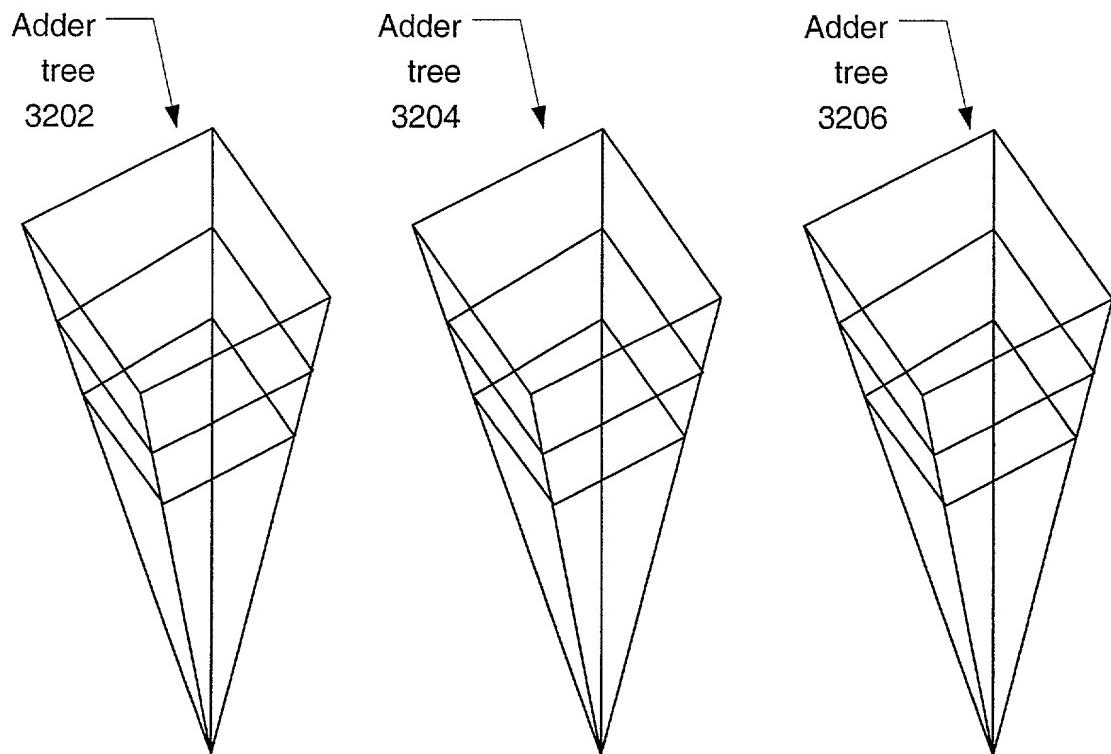


Fig. 34





**First
Cycle**

Filter
Coefficients

Red

Green

**Second
Cycle**

Blue

Alpha

Unused

Figure 35

$$d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} \quad \text{Eqn. 10}$$

$$d^2 = (x_1 - x_2)^2 + (y_1 - y_2)^2 \quad \text{Eqn. 11}$$

Figure 36